

Ver. 2.2

# **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



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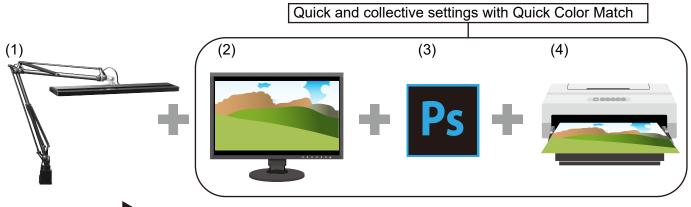
## Introduction

## **1-1** Features of Quick Color Match

#### ▶ "2-1 Installing Quick Color Match" on page 7

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.



Flow of color matching

See Also

(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<sup>®</sup> Photoshop<sup>®</sup>), 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<sup>®</sup> 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.

2

# **Using Quick Color Match**

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

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## 2-1 Installing Quick Color Match

#### To download and install the software from our web site

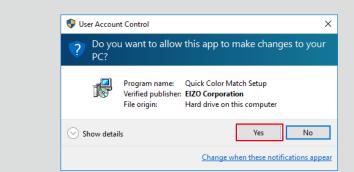
#### **Windows**

1. Double-click downloaded file "QCMxxx\_Setup.exe".

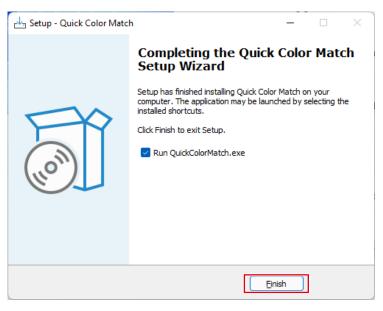
Here, "xxx" is a software version number (e.g., 100).

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".



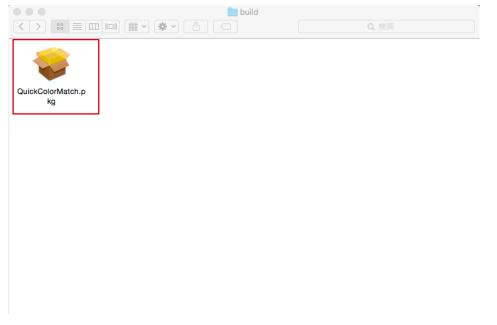
Installation is complete.

#### <u> Mac</u>

#### 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.



Depending on your operating environment, messages requesting access to control System Events or Adobe Photoshop xxxx<sup>\*1</sup> may appear. Click "OK" as this is needed to correctly set up Canon Print Studio Pro, Epson Print Layout, or Photoshop.

\*1 "xxxx" refers to the version of Adobe Photoshop.

#### 5. Click "Close".

• • •	💝 Install Quick Color Match
<ul> <li>Introduction</li> <li>License</li> <li>Destination Select</li> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	The installation was completed successfully. The installation was successful. The software was installed. Go Back Close
L .	

Installation is complete.



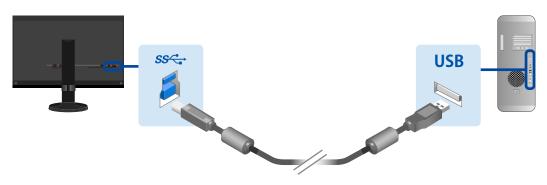


#### 1. Arrange ambient light.

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, Canon Professional Print & Layout or Epson Print Layout).

For the installation procedure, refer to the following pages:

- "2-3 Installing the Printer Driver" on page 11
- "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 printer that supports Canon Professional Print & Layout, you do not need to install the printer driver.
- If using a Canon printer (one that supports Print Studio Pro) ▶ page 11
- If using an Epson printer ▶▶ page 18

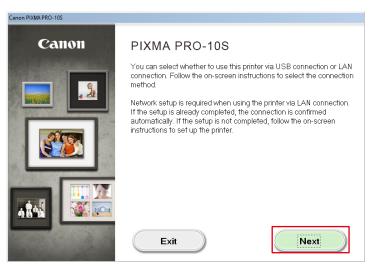
#### If using a Canon printer (one that supports Print Studio Pro)

#### **Windows**

- 1. Insert the disk provided with the printer into the computer.
- 2. When auto play starts, click "Run XXXXXX.exe" (e.g., Msetup4.exe).

If auto play does not start, select the drive where you inserted the disk in Explorer, then double-click "XXXXXX.exe" (e.g., Msetup4.exe).

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



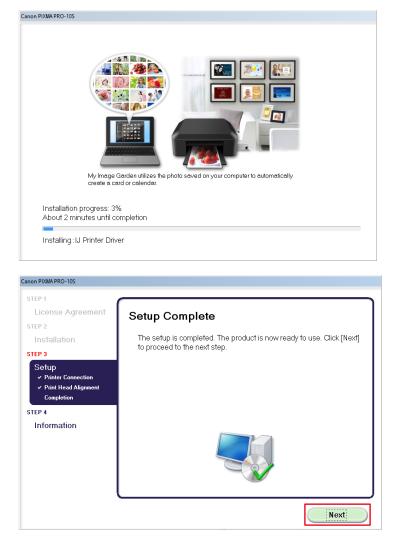
4. Select the connection method of the printer (USB, Wired LAN, or Wireless LAN), and click "Next".

Canon PIXMA PRO-10S	
Select the printer connection method.	
• USB Connection	
Back	Next

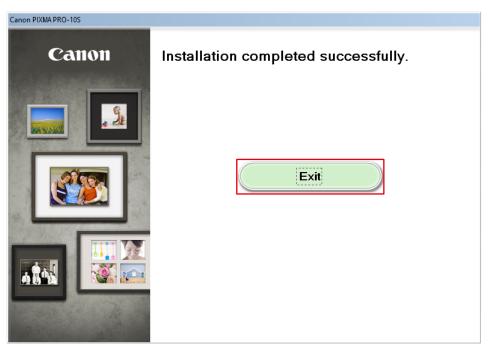
5. In the window for selecting software to be installed, select the "IJ Printer Driver" check box and click "Next".

Canon PIXMA PRO-10S		
Software Installation List		
The selected software will be installed. Make sure that the software click [Next].	e you want to	install is selected, and then
IIJ Printer Driver	145 MB	Drive C: 164705 MB free
User's Manual	15 MB 14 MB	space
☐ My Printer ☐ My Image Garden	705 MB	Total used space: 145
	40 MB	MB
Print Studio Pro	90 MB	
□ Easy-WebPrint EX	110 MB	
	150 MB	
XPS Driver	130 MB	
		Select All
		Clear All
Estimated installation time: 5 to 10 minutes Back		Next

6. In the windows that subsequently appear, always click "Yes" then "Next".



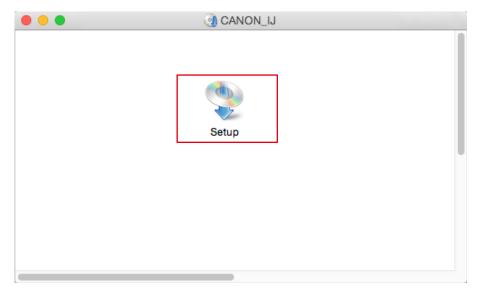
7. Click "Exit".



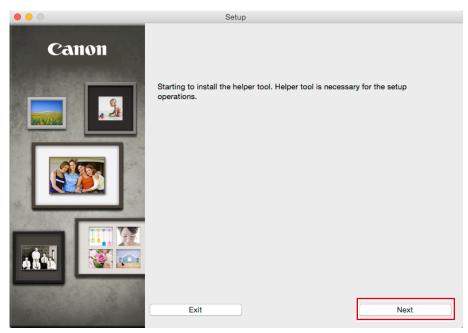
Installation is complete.

#### <u> Mac</u>

- 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.



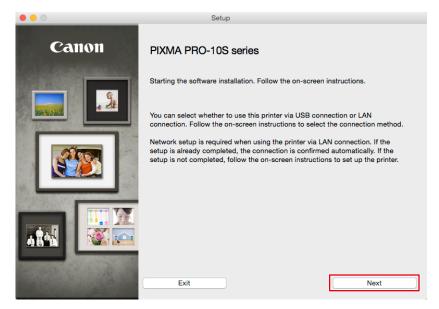
4. When the following window appears, click "Next".



5. Enter the Username and Password of the PC administrator, and click "Install Helper".

e		ring to install a new helper tool. Type rord to allow this.
	Username:	xxxxx
	Password:	•••••
		Cancel Install Helper

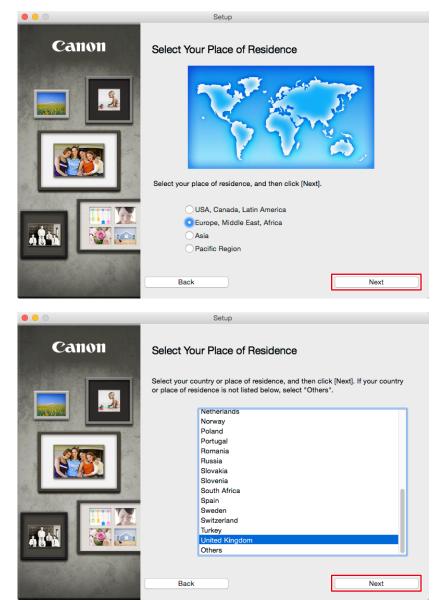
6. Click "Next".



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

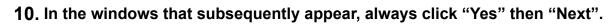
	Setup
Select the printer connection	on method.
● <del>· · · · ·</del> ·	• USB Connection
품품	O Wired LAN Connection
(( <mark>ๆ</mark> ))	◯ Wireless LAN Connection
Back	Next

8. Select your region and country, then click "Next".



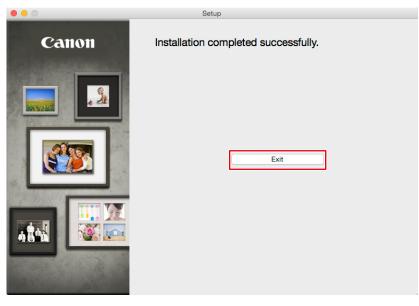
**9.** In the window for selecting software to be installed, select the "Printer Driver" check box then click "Next".

	selected software will be installed. Make su xt].	re that the software you wan	t to install is selected, and then click
/ou	need to install all the software below to use	all functions of this printer.	
$\overline{\checkmark}$	Printer Driver	100 MB	Drive Macintosh HD 463899 MB free
	User's Manual	180 MB	space
	My Image Garden	705 MB	
	Quick Menu	25 MB	
	Canon IJ Network Tool	20 MB	Total used space: 169 MB
	Print Studio Pro	40 MB	
			Select All
			Clear All
	Instal	lation may take some time d	lepending on your network environmen



	age Garden utilizes the photo saved on your computer to trainically create a card or calendar.
Installation progress: 0%	
Downloading :Printer Dri	ver
	Cancel
	0.1
• •	Setup
STEP 1	Setup
STEP 1 License Agreement	Setup Complete
STEP 1 License Agreement STEP 2	
STEP 1 License Agreement	Setup Complete The setup is completed. The product is now ready to use. Click [Next] to
STEP 1 License Agreement STEP 2	Setup Complete The setup is completed. The product is now ready to use. Click [Next] to
STEP 1 License Agreement STEP 2 Installation	Setup Complete The setup is completed. The product is now ready to use. Click [Next] to
STEP 1 License Agreement STEP 2 Installation STEP 3	Setup Complete The setup is completed. The product is now ready to use. Click [Next] to
STEP 1 License Agreement STEP 2 Installation STEP 3 Setup	Setup Complete The setup is completed. The product is now ready to use. Click [Next] to
STEP 1 License Agreement STEP 2 Installation STEP 3 Setup	Setup Complete The setup is completed. The product is now ready to use. Click [Next] to
STEP 1 License Agreement STEP 2 Installation STEP 3 Setup	Setup Complete The setup is completed. The product is now ready to use. Click [Next] to

11. Click "Exit".



Installation is complete.

#### If using an Epson printer

#### <u>Windows</u>

- 1. Insert the disk provided with the printer into the computer.
- 2. When auto play starts, click "Run XXXXXX.exe" (e.g., InstallNavi.exe).

If auto play does not start, select the drive where you inserted the disk, then double-click "XXXXXX.exe" (e.g., InstallNavi.exe).

3. Click "Start & Connection".

🔄 Install Navi		×
**	Start & Connection	
	Click here to start the setup process, install software, and configure network settings.	
	Information for Manuals and Applications	
	Click here to get the information of manuals, the most-used applications such as printer drivers, and paths of these applications that is on this software disc to let you install them manually.	
*	Cancel	

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

Install Navi [SC-PX5V2]		Х
License Agreement Read the following License Agreement carefully.	EPS	ON
SEIKO EPSON CORPORATION SOFTWARE LICENSE AGREEMENT		^
IMPORTANT! READ THIS SOFTWARE LICENSE AGREEMENT CAREFULLY. The computer softwa product, fontware, typefaces and/or data, including any accompanying explanatory written materials (the "Software") should only be installed or used by the Licensee ("you") on the condition you agree with SEIKO EPSON CORPORATION ("EPSON") to the terms and condition forth in this Agreement. By installing or using the Software, you are representing to agree a terms and conditions set forth in this Agreement. You should read this Agreement carefully installing or using the Software. If you do not agree with the terms and conditions of this Agreement, you are not permitted to install or use the Software.	is set III the	
<ol> <li>License. EPSON and its suppliers grant you a personal, nonexclusive, royalty-free, non- sublicensable limited license to install and use the Software on any single computer or comp that you intend to use directly or via network. You may allow other users of the computers connected to the network to use the Software, provided that you (a) ensure that all such agree and are bound by the terms and conditions of this Agreement, (b) ensure that all such</li> </ol>	users	>
☐ I agree by the contents of the License Agreement.		
Cancel Back Nex	t	

#### 5. Click "Next".

Install Navi [SC-PX5V2]	-	□ X	
Software Installation Options Please choose the required setup options.		EPSON	
Information on Internet Connection		^	•
EPSON software connects to the internet for the following purposes:			
<ul> <li>To keep your software up to date</li> <li>To install new features</li> </ul>			
You can configure to receive a notification when new version of software is availad Make notification settings and update settings from the following.	able.		
If any Firewall messages appear during the installation, select [Unblock] o	r [Allow].	~	,
☑ Install the Latest Version (Recommended)			
Install the latest version of the driver from the Epson website.			
Product status monitoring and Automatic updates (Recommended) Allows you to automatically check the product status such as remaining ink and install th updates for the product.	e latest sof	tware	
Cancel Back	Ne	đ	

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

📴 Install Navi [SC-PX5)	/2]			_	□ ×
First Time I	nstallation	?			EPSON
Are you setting up	o the Printer for the f	irst time?			
New	) <b>Yes : First time se</b> The following scree	<b>tup</b> ens will guide you through the pro	cess of setting up the	Printer.	
•		ady in use – allow this comput from the list below. If it is not list network.	-	is turned on a	nd
Ç2	product	MAC Address	IP Address		
Advanced configu	ration				
Cancel		E	Back	Next	

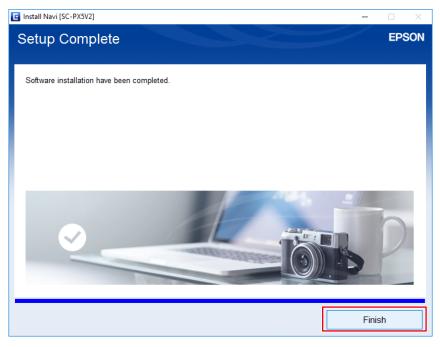
7. Click "Yes".

ICC Profile Setup	×
License Agreement Please read the following license agreement carefully.	No.
Press the PAGE DOWN key to see the rest of the agreement.	
Install ICC Profiles of Adobe Systems Inc. AdobeRGB1998.icc AppleRGB.icc ColorMatchRGB.icc	^
ADOBE SYSTEMS INCORPORATED COLOR PROFILE LICENSE AGREEMENT NOTICE TO USER: PLEASE READ THIS CONTRACT CAREFULLY. BY	USING ALL OR 🧹
Do you accept all the terms of the preceding License Agreement? If you se will close. To install ICC Profile, you must accept this agreement.	elect No, the setup
Instaliphield	No

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

📴 Install Navi [SC-	PX5V2]		×
Connecti	ng your Printer	EP	SON
Select how yo	u want to connect the Printer to your computer, laptop, or other device.		
<b>?</b>	O Wi-Fi Connection Establishes a wireless connection with the Printer.	- Ultion	
品	O Ethernet Connection Select this if you are using a wired network and wish to connect with an Ethernet cable.	Carte	
~	USB connection     Connect the Printer to a computer using a USB cable.	Trivi E	
Canc	el	Next	

#### 9. Click "Finish".



Installation is complete.

#### <u> Mac</u>

- 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".

• • •	💝 Install EPSON Printer Driver	
	Welcome to the EPSON Printer Driver Installer	
<ul> <li>Introduction</li> <li>Destination Select</li> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	Install EPSON Printer Driver. - SC-P800 Series	
	Go Back Continu	e

#### 5. Click "Install".

<ul> <li>Introduction</li> <li>Destination Select</li> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	Standard Install on "Macintosh HD" This will take 105.5 MB of space on your computer. Click Install to perform a standard installation of this software for all users of this computer. All users of this computer will be able to use this software.
	Go Back

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

	trying to install new software. Type rord to allow this.
Username:	xxxxx
Password:	•••••
	Cancel Install Software



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

7. Click "Close".

•••	💝 Install EPSON Printer Driver	
<ul> <li>Introduction</li> <li>Destination Select</li> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	The installation was completed successfully.	
	Go Back Close	

Installation is complete.

### 2-4 Installing Print Assistant Software



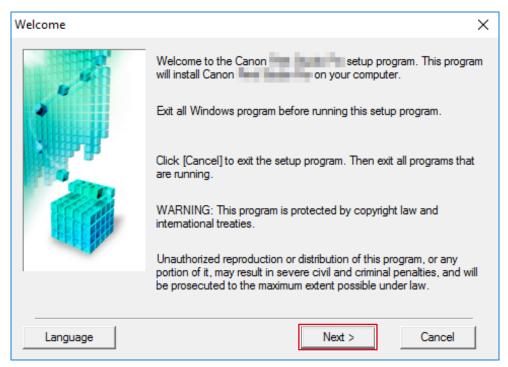
Install retouching software, then install print assistant software. The print assistant software may not be associated.

- \* Operations vary depending on the printer being used.
- If using a Canon printer ▶▶ page 25
- If using an Epson printer ▶▶ page 30

#### If using a Canon printer

#### **Windows**

- 1. Download Print Studio Pro or Professional Print & Layout from the Canon web site.
- **2.** Double-click the downloaded "psp\_-win-xxx.exe" or"p2l\_-win-xxx.exe" file. Here, "xxx" is a software version number (e.g., 2\_2\_1-ea10\_3).
- 3. Click "Next" and "Yes" several times.



4. Click "Complete".

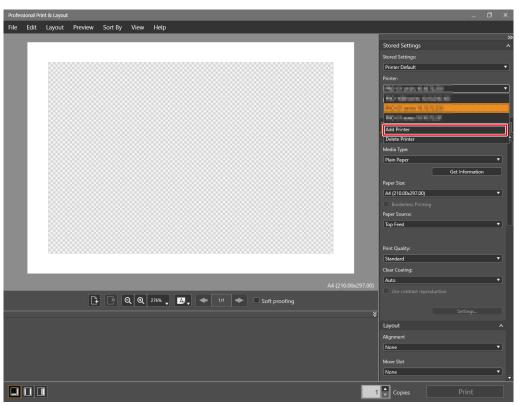
Installation Complete	
	Installation of <b>Completed successfully</b> .
	Click [Complete] to exit the setup program.
	Complete

Installation is complete.

If Print Studio Pro is installed, the following steps can be skipped.

If Professional Print & Layout is installed, go to Step 5.

5. Launch the installed Professional Print & Layout and click "Add Printer" from "Printer".



#### 6. Search for printers, and insert a check mark for the printer you will use.

🗮 Add Printer				×
Select your printer from To search for available p	the list below. rinters, select the type of search, a	nd then cl	ick [Find Printer].	
Search Type	Auto	~	Find Printer	
Printer Name	Connection		Serial Number	
✓	101008-001		a posta a se	
✓ ✓	and the second se			
			OK Cance	1

7. Click "OK".

#### <u> Mac</u>

- 1. Download Print Studio Pro or Professional Print & Layout from the Canon web site.
- 2. Double-click the downloaded "mpsp-mac-xxx.dmg" or "mP2L-mac-xxx.dmg" file. Here, "xxx" is a software version number (e.g., 2\_2\_1-ea10\_3).
- 3. Double-click the "Print Studio Pro XXX" or "Professional Print & Layout XXX" icon.
- 4. Double-click the "Print Studio Pro XXX.pkg" or "Professional Print & Layout.pkg" icon.



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

	🤪 Install
	Welcome to the Carl Barrier Installer
Introduction	Welcome to the Canon installer! This program will guide you through the steps required for installing Canon
License	Calor .
Destination Select	
Installation Type	
Installation	
<ul> <li>Summary</li> </ul>	
	Go Back Continue

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

	💝 Install 🗏	at fasterie	100		
	Software Licens	e Agreement			
		English		0	
<ul> <li>Introduction</li> <li>License</li> </ul>	END USER LICE	END USER LICENSE AGREEMENT			
<ul> <li>Destination Select</li> </ul>		ATTENTION: PLEASE READ THIS DOCUMENT BEFORE INSTALLING THE LICENSED SOFTWARE.			
<ul> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	This is a license agreement ("Agreement") between you (either an individual or an entity) and Canon Inc., having its place of business at 30-2 Shimomaruko 3-chome, Ohta-ku, Tokyo 148-8501, Japan ("Canon"), with respect to (i) software programs provided to you with this Agreement, its associated electronic or online manuals, and updates thereof, if any (collectively, the "Software"), (ii) additional data for the Software or Canon's inkjet printers ("Printers") or updates to firmware for the Printers, provided online using the Software ("Data Updates"), and (iii) text, images, graphics and other visual representations in digital format (excluding the Software) for your printing use, provided with this Agreement or provided online using the Software, and updates thereof, if any ("Contents Data"). Software, Data Updates and Contents Data shall hereinafter be referred to individually or collectively as the "Licensed Software".				usiness at ban and tional data dates to 6 ("Data r your e using the oftware, ed to
	BY CLICKING TH	IE BUTTON PR	OVDIED	WITH THIS AGR	EEMNT
	Print	Save		Go Back	Continue
Click Agree to continue quit the Installer. Read License	or click Disagree	to cancel the Disag	r	ion and	
• • •	🥪 Install –	on Stanley Re-	195		
<ul> <li>Introduction</li> <li>License</li> </ul>		17.4 MB of sp	bace on y	your computer.	
<ul> <li>Destination Select</li> <li>Installation Type</li> </ul>		f this compute	er. All us	ers of this com	
<ul> <li>Installation</li> <li>Summary</li> </ul>					
				Go Back	Install

7. Click "Close".

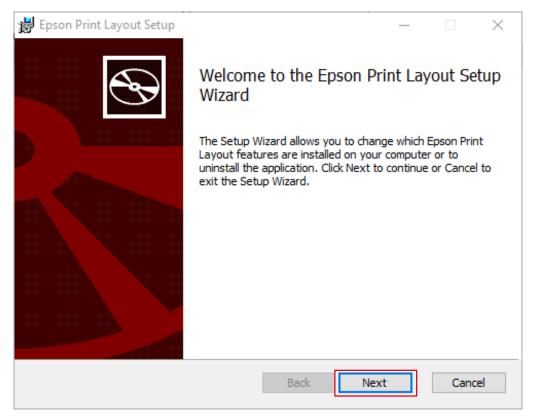
	💝 Install
<ul> <li>Introduction</li> <li>License</li> <li>Destination Select</li> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	Install The installation was completed successfully. The installation was successful. The software was installed.
	Go Back Close

Installation is complete.

#### If using an Epson printer

#### **Windows**

- 1. Download Epson Print Layout from the Epson web site.
- 2. Double-click the downloaded exe file.
- 3. Click "Next".



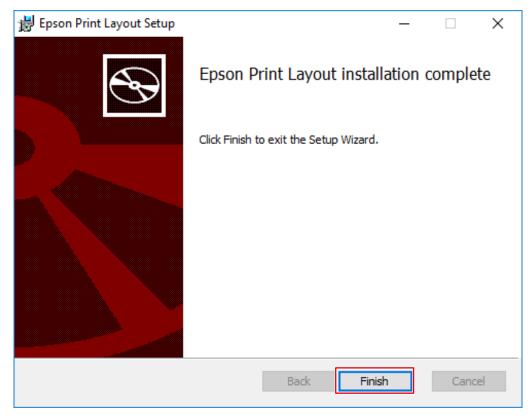
4. After checking the contents of the license agreement, select the "I accept the terms of the License Agreement." check box, and click "Next".

Epson Print Layout Setup —		$\times$
End-User License Agreement		
Please read the following License Agreement carefully.		S
SEIKO EPSON CORPORATION SOFTWARE LICENSE AGREEMENT		
IMPORTANT! READ THIS SOFTWARE LICENSE AGREEMENT CAP The computer software product, fontware, typefaces and/or data including any accompanying explanatory written materials (the "Software") should only be installed or used by the Licensee ("y the condition you agree with SEIKO EPSON CORPORATION ("EP the terms and conditions set forth in this Agreement. By installin using the Software, you are representing to agree all the terms a	ou") on SON") ti ng or	
☑ I accept the terms of the License Agreement.		
Print Back Next	Car	ncel

#### 5. Click "Install".

闄 Epson Print Layout Setup	_		×
Ready to install Epson Print Layout			Ð
Click Install to begin the installation. Click Back to review or change a installation settings. Click Cancel to exit the wizard.	any of y	our	
<u>B</u> ack <u>I</u> nstall		Can	cel

#### 6. Click "Finish".



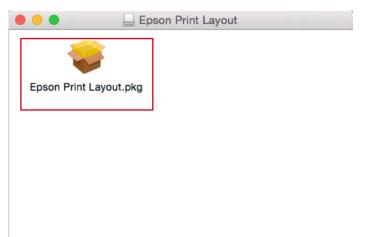
Installation is complete.

#### <u> Mac</u>

- **1.** Download Epson Print Layout 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".

0 0	💝 Install Print Plug-In		
	Welcome to the Print Plug-In Installer		
Introduction	You will be guided through the steps necessary to install this software.		
<ul> <li>License</li> </ul>			
Destination Select			
Installation Type			
Installation			
Summary			
	Go Back Continue		

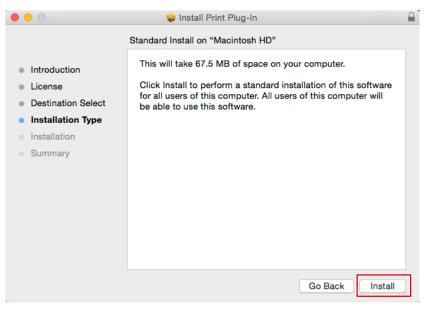
6. Click "Continue".

• • •	💝 Install Print Plug-In	
	Software License Agreement	
Introduction	English	
License	SEIKO EPSON CORPORATION	
Destination Select	SOFTWARE LICENSE AGREEMENT	
Installation Type	IMPORTANT! READ THIS SOFTWARE LICENSE AGREEMENT CAREFULLY. The computer software product, fontware, typefaces and/or	
Installation	data, including any accompanying explanatory written materials (the "Software") should only be installed or used by the Licensee ("you") on the	
Summary	condition you agree with SEIKO EPSON CORPORATION ("EPSON") to the terms and conditions set forth in this Agreement. By installing or using the Software, you are representing to agree all the terms and conditions set forth in this Agreement. You should read this Agreement carefully before installing or using the Software. If you do not agree with the terms and conditions of this Agreement, you are not permitted to install or use the Software.	
	1. License. EPSON and its suppliers grant you a personal, nonexclusive, royalty-free, non-sublicensable limited license to install and use the Software on any single computer or computers that you intend to use directly or via network. You may allow other users of the computers connected to the network to use the Software, provided that you (a) ensure that all such users agree and are bound by the terms and conditions of this Agreement, (b) ensure	
	Print Save Go Back Continue	,

#### 7. Click "Agree".



#### 8. Click "Install".



#### 9. Click "Close".

• • •	💝 Install Print Plug-In	
<ul> <li>Introduction</li> <li>License</li> <li>Destination Select</li> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	The installation was completed successfully.	
	Go Back 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.



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 70.



- 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 36
- When not using Photoshop mode ▶▶ page 45

#### Using Photoshop mode

**1.** Start Quick Color Match.

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



Alternatively, implement the following steps.

#### <u>Windows</u>

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

#### <u> Mac</u>

- 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 ≧ 90"				
Click 🏟 to open Preference	es, and from "L	ighting", sele	ect the lighting you use.	
Q Quick Color Match			X	
	Prefer	ences		
QUICK COLOR MATCH	Lighting Reset to the start-up color mode Photoshop mode Check update at start-up Quality Improvement Program	D50         ▼           D50         Z-208           Z-80pro         FL Lamp 5400K Ra≧90           Z-80PRO2         ▼           Yes         ▼           Join         ▼           See details         Optional features		
*		ОК		

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.



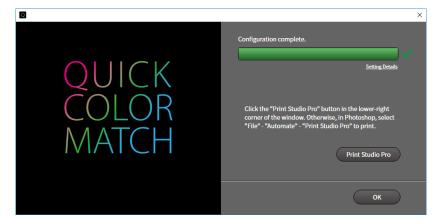
Paper types compatible with the selected printer are displayed.

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).

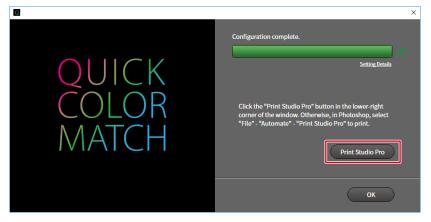


Photoshop starts.

- 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 (one that supports Print Studio Pro) ▶▶ page 39
  - If using a Canon printer (one that supports Professional Print & Layout) ▶▶ page 42
  - If using an Epson printer ▶▶ page 44

If using a Canon printer (one that supports Print Studio Pro)

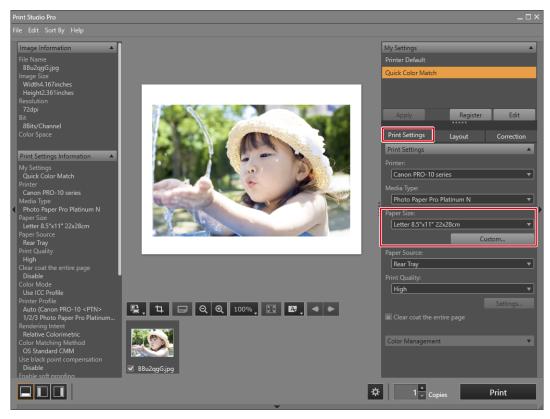
1. Switch the display to the Quick Color Match screen, and click "Print Studio Pro".



Print Studio Pro starts.

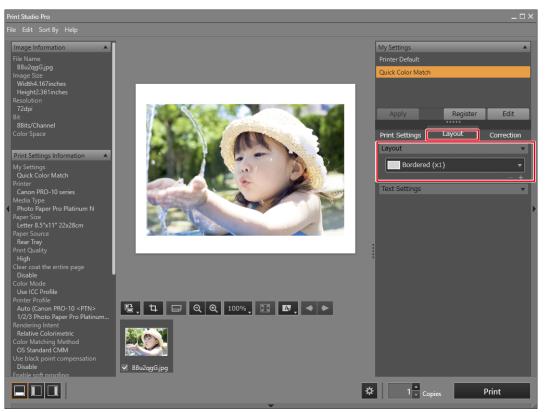
The image on Photoshop is sent to Print Studio Pro.

2. Set the Paper Size.

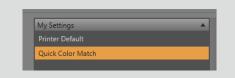


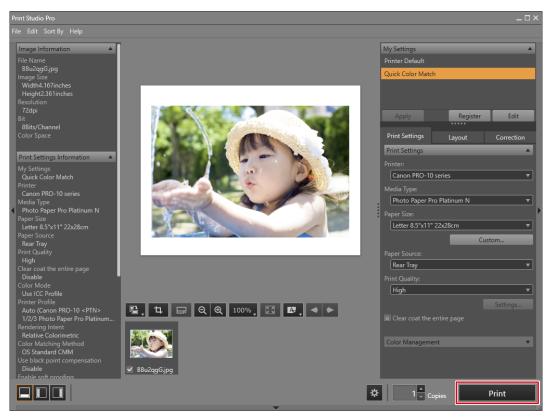
The "Color Management" settings are automatically configured from Quick Color Match, and you do not need to configure them manually.

3. Set the Layout.



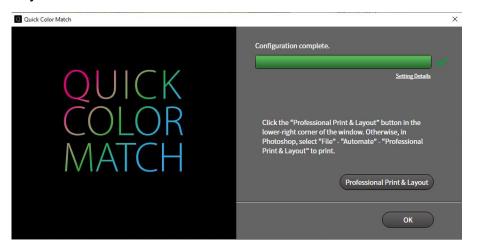
- If you change the Print Studio Pro settings, its "My Settings" selection is changed from "Quick Color Match" to "Custom".
  - Color settings are inherited as they are.





If using a Canon printer (one that supports Professional Print & Layout)

1. Switch the display to the Quick Color Match screen, and click "Professional Print & Layout".



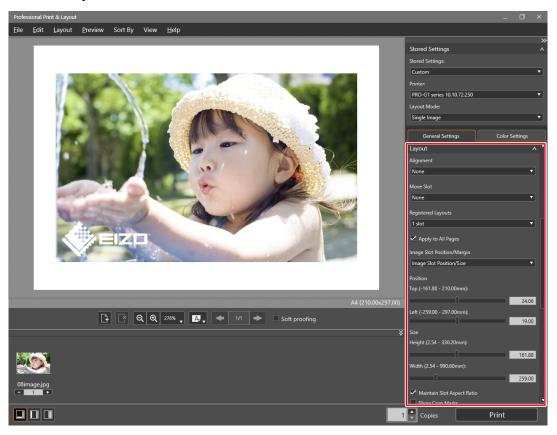
Professional Print & Layout starts.

The image on Photoshop is sent to Professional Print & Layout.

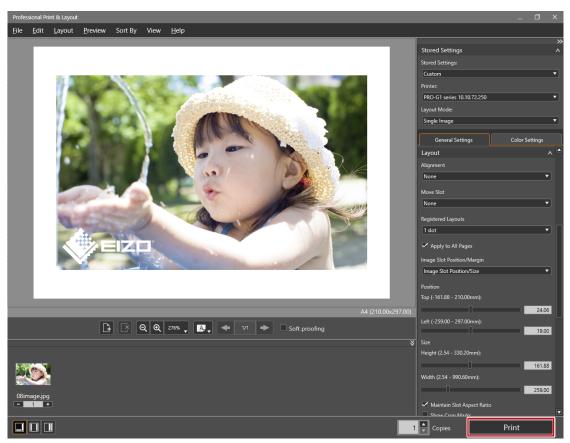
2. Set the Paper Size.



3. Set the Layout.

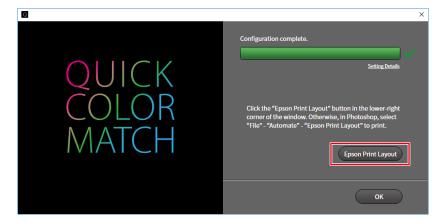


4. Click "Print".

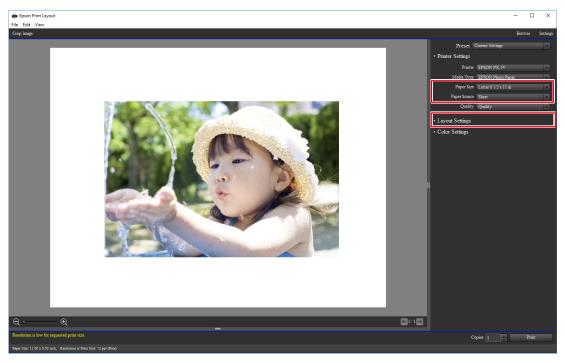


#### If using an Epson printer

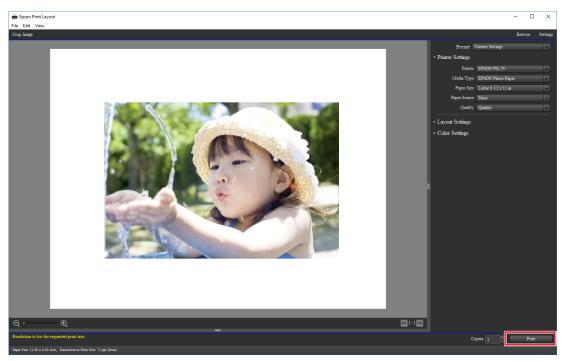
1. Click "Epson Print Layout". Epson Print Layout starts.



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.



### 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**

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

#### <u> Mac</u>

- 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".

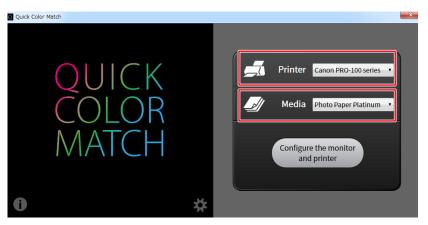
#### 2. Select the lighting you use.

If using desk light "FL Lamp 5400 K Ra $\ge$ 90"				
Click 🗱 to open Preferences, and fr	rom "Lighting", select the lighting you use.			
Quick Color Match	×			
	Preferences			
	mode         Z-80pro           pshop mode         FL Lamp 5400K Ra≧90           Z-80PRO2         Z-80PRO2			
*	ОК			

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

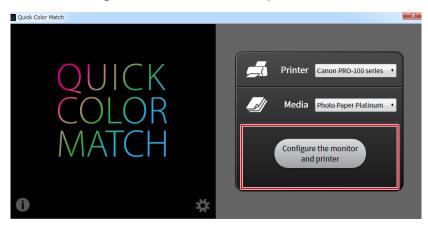
Do not change the lighting setting. Proceed to Step 3.

**3.** Select the Printer and Media.



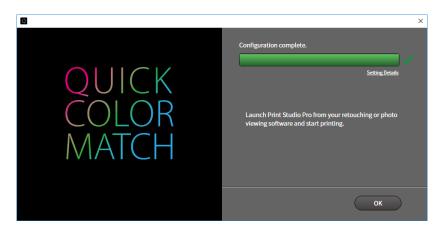
Paper types compatible with the selected printer are displayed.

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).

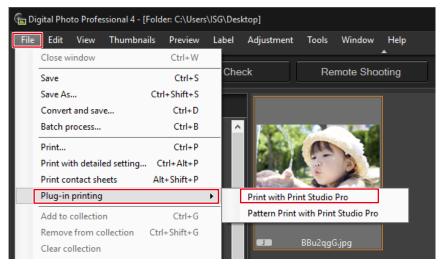


- 5. Start the retouching software, and display the photo you want to print out.
- 6. Edit or retouch the image if necessary. (Check the colors using the print assistant software.)
- 7. Print the photo data.
  - \* Operations vary depending on the retouching software and printer you use.

	Printer				
Retouching software	Canon (one that supports Print Studio Pro)	Canon (one that supports Professional Print & Layout)	Epson		
Digital Photo Professional	▶▶ page 48	▶▶ page 50	-		
Lightroom	▶▶ page 53	▶▶ page 56	▶▶ page 58		
Photoshop Elements	▶▶ page 61	▶▶ page 63	▶▶ page 66		
Nikon ViewNX-i	-	-	▶ page 68		

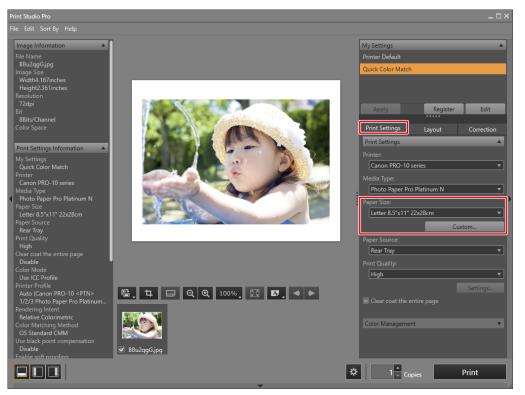
If using Digital Photo Professional and a Canon printer (one that supports Print Studio Pro)

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



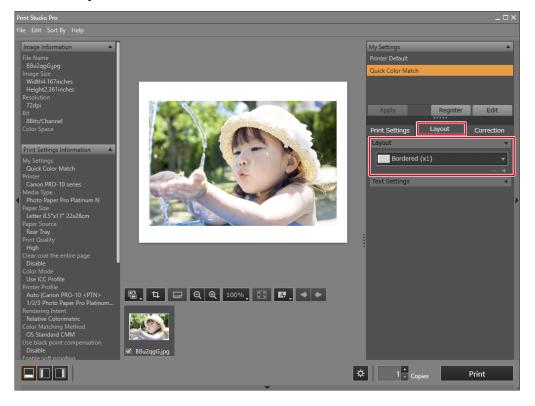
Print Studio Pro starts.

2. Set the Paper Size.



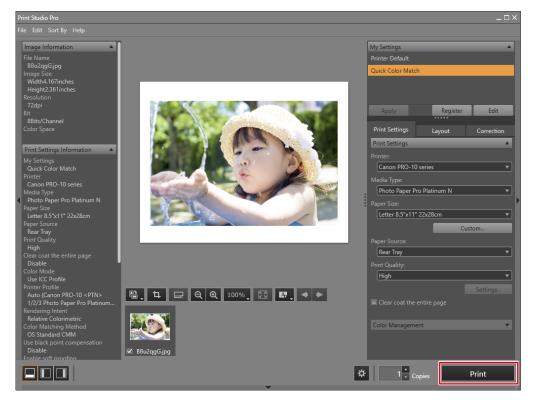
The "Color Management" settings are automatically configured from Quick Color Match, and you do not need to configure them manually.

3. Set the Layout.

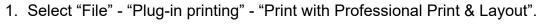


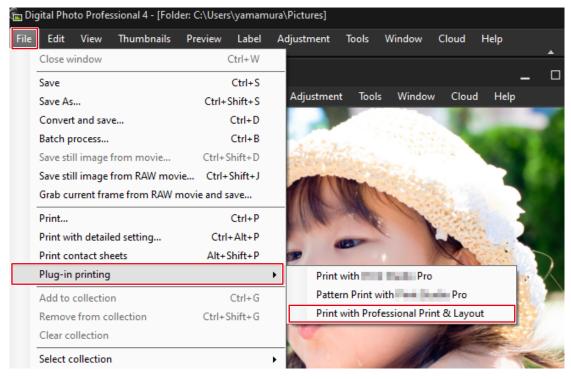
- If you change the Print Studio Pro settings, its "My Settings" selection is changed from "Quick Color Match" to "Custom".
- Color settings are inherited as they are.





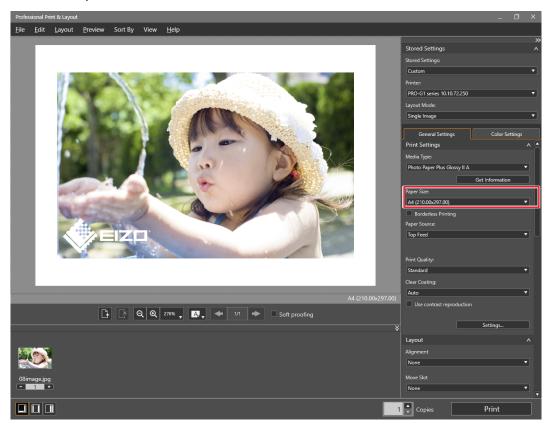
If using Digital Photo Professional and a Canon printer (one that supports Professional Print & Layout)



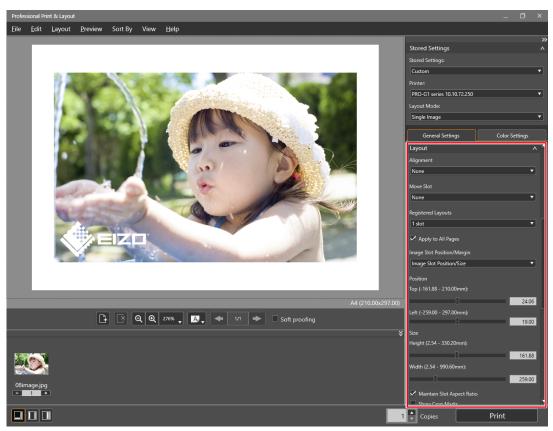


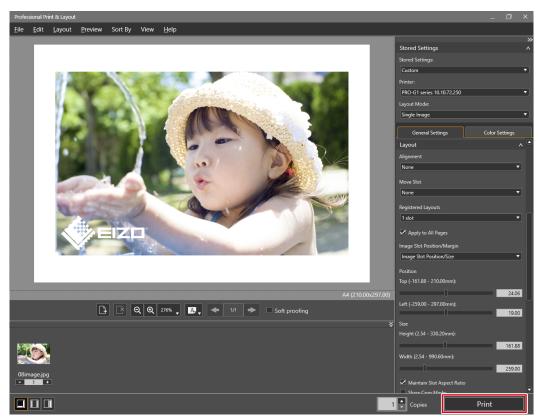
Professional Print & Layout starts.

2. Set the Paper Size.



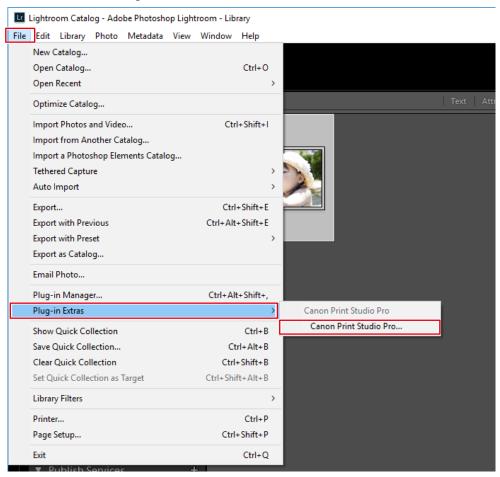
3. Set the Layout.





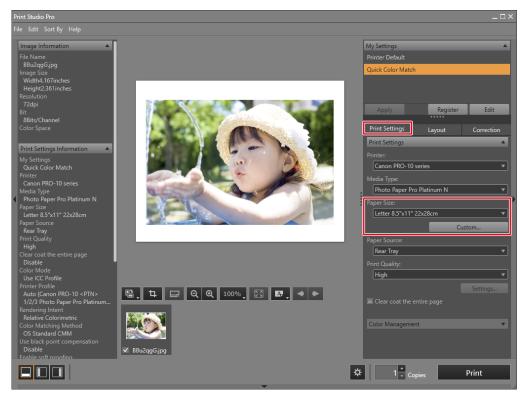
If using Lightroom and a Canon printer (one that supports Print Studio Pro)

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



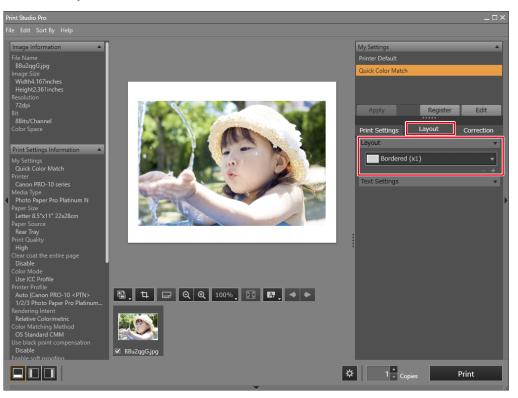
Print Studio Pro starts.

2. Set the Paper Size.

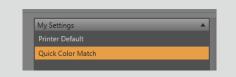


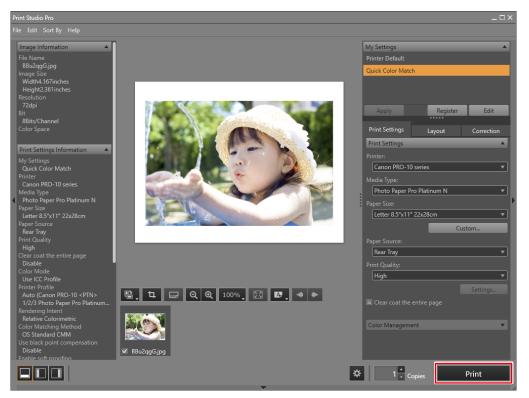
The "Color Management" settings are automatically configured from Quick Color Match, and you do not need to configure them manually.

3. Set the Layout.



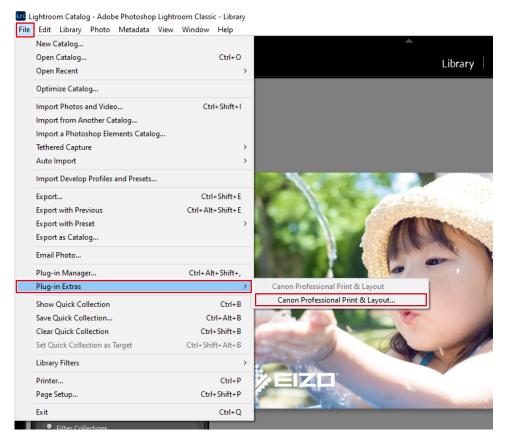
- If you change the Print Studio Pro settings, its "My Settings" selection is changed from "Quick Color Match" to "Custom".
  - Color settings are inherited as they are.





#### If using Lightroom and a Canon printer (one that supports Professional Print & Layout)

1. Select "File" - "Plug-in Extras" - "Canon Professional Print & Layout".

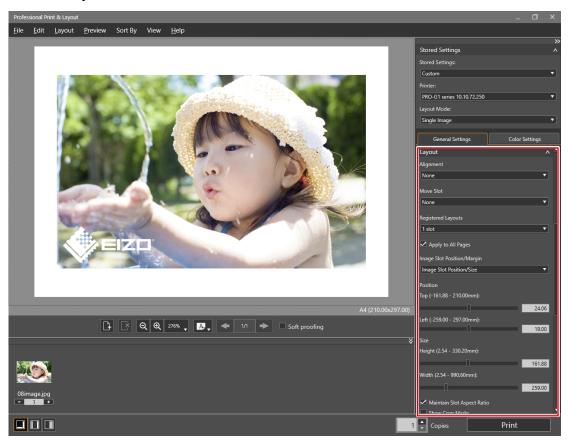


Professional Print & Layout starts.

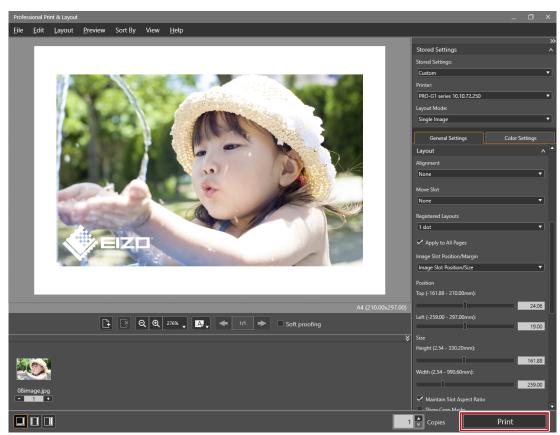
2. Set the Paper Size.



3. Set the Layout.

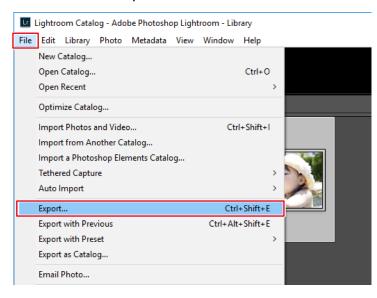


4. Click "Print".



#### If using Lightroom and an Epson printer

1. Select "File" - "Export".



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

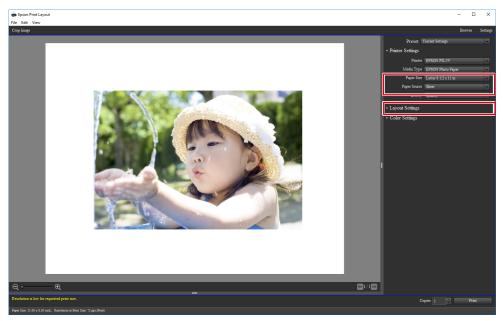
Export One File				×
	Export To:	Epson Print Layout	~	
Preset:		Export One File		
Lightroom Presets	^	▼ Export Location		^
User Presets		Export To:	User folder $\checkmark$	
		Folder:	C:\Users\ISG	
			Put in Subfolder: Epson Print Layout ExportsFolder	
			Add to This Catalog Add to Stack: Below Original $\checkmark$	
		Existing Files:	Overwrite WITHOUT WARNING $\checkmark$	
		V Output Sharpeni	ing	
		Sharpen For:	Screen $\checkmark$ Amount: Standard $\checkmark$	
		▼ Watermarking		
		Watermark:	Simple Copyright Watermark	
Add F	Remove			~
Plug-in Manager			Export Cance	1

#### 3. Click "Export".

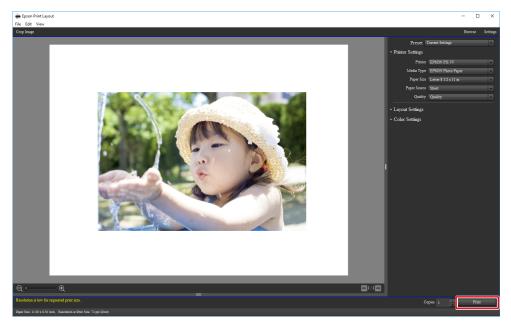
Export	: One File							×
		Export To:	Epson Print Layout	~				
Pres	et:		Export One File					
	Lightroom Presets	<u>^</u>	▼ Export Location					
•	User Presets		Export To:	User folder			$\sim$	
			Folder:	C:\Users\ISG				
				Put in Subfolder:	Epson Print Layout ExportsFold	der		
				Add to This Catalog	Add to Stack:	Below Original $\sim$		
			Existing Files:	Overwrite WITHOUT WA	RNING ~			
			Output Sharpeni	ing				
			Sharpen For:	Screen	✓ Amount: Standa	ard $\vee$		
			▼ Watermarking					
			Watermark:	Simple Copyright Waterm	ark 🗸			
	Add	Remove						~
Pl	ug-in Manager					Export	Cance	I

Epson Print Layout starts.

4. Set the Paper Size and Layout Settings.



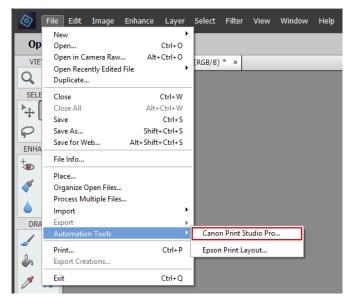
The "Color Settings" are automatically configured from Quick Color Match, and you do not need to configure them manually.



If using Photoshop Elements and a Canon printer (one that supports Print Studio Pro)

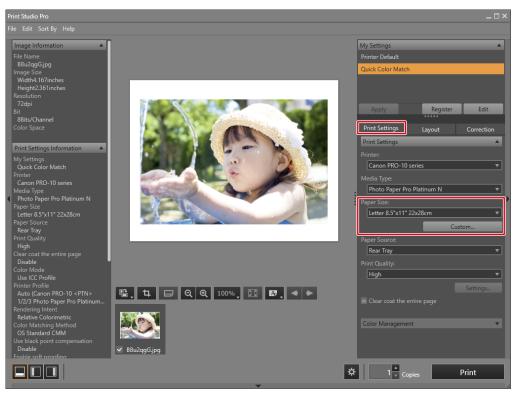
The "Automation Tools" menu is enabled when the edit mode is set to "Expert".

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



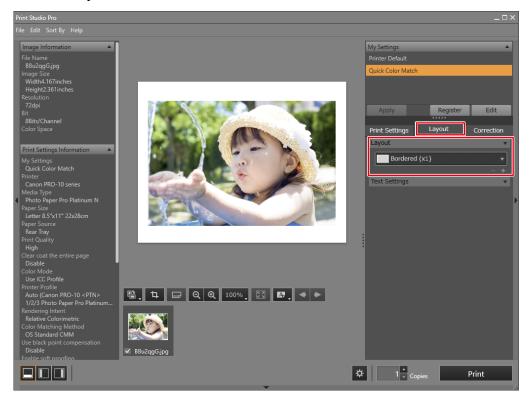
Print Studio Pro starts.

2. Set the Paper Size.

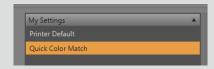


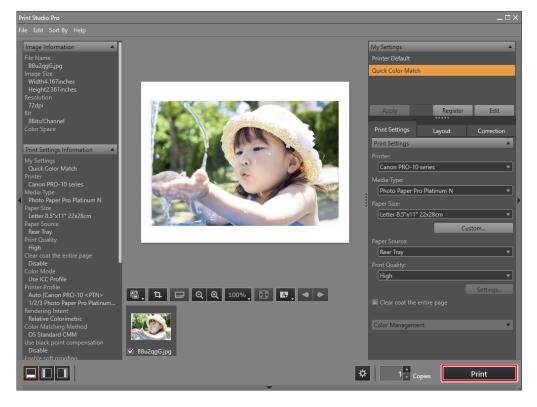
The "Color Management" settings are automatically configured from Quick Color Match, and you do not need to configure them manually.

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.

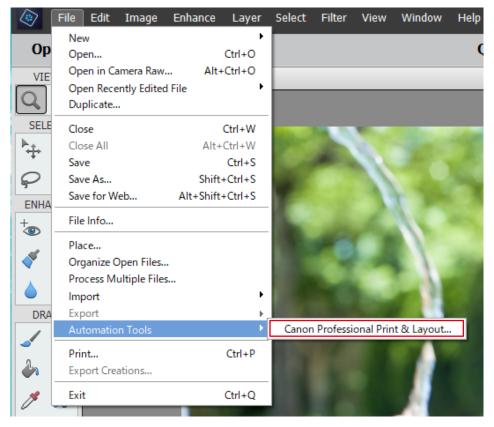




If using Photoshop Elements and a Canon printer (one that supports Professional Print & Layout)

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

1. Select "File" - "Automation Tools" - "Canon Professional Print & Layout...".

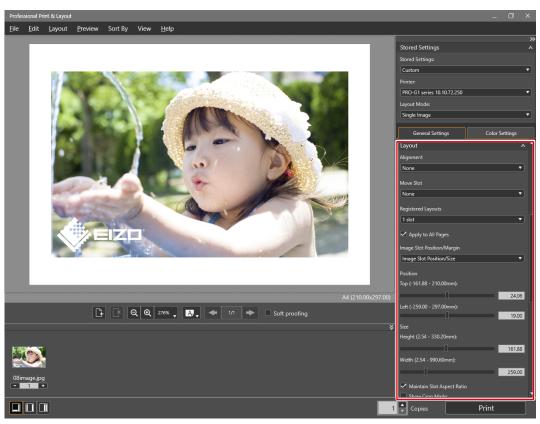


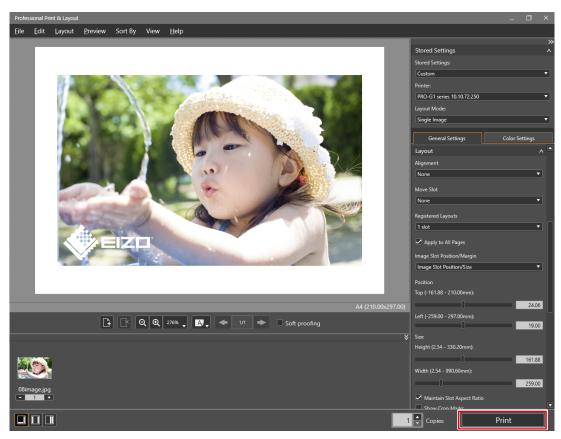
Professional Print & Layout starts.

2. Set the Paper Size.



3. Set the Layout.

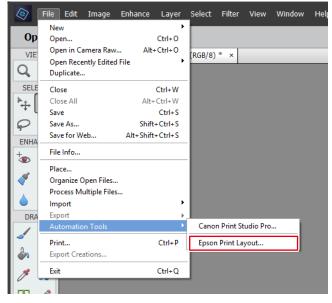




If using Photoshop Elements and an Epson printer

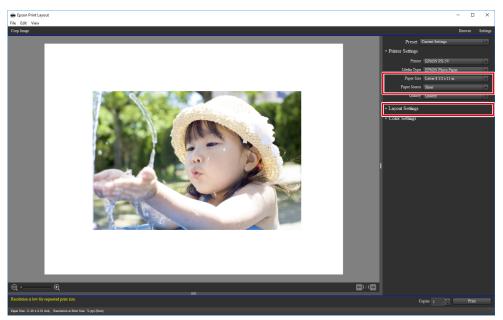
The "Automation Tools" menu is enabled when the edit mode is set to "Expert".

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

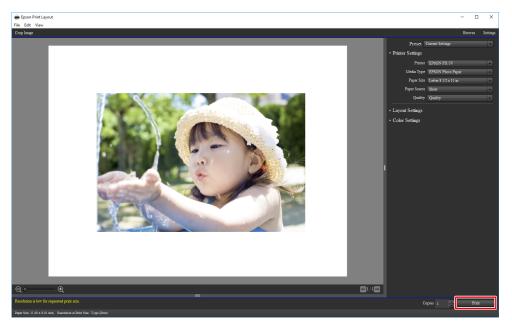


Epson Print Layout starts.

2. Set the Paper Size and Layout Settings.

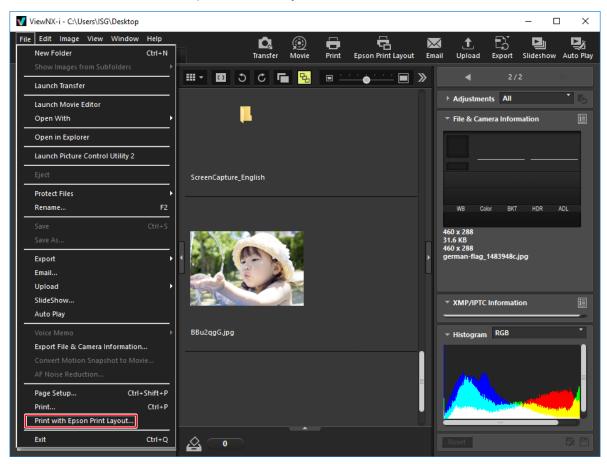


The "Color Settings" are automatically configured from Quick Color Match, and you do not need to configure them manually.



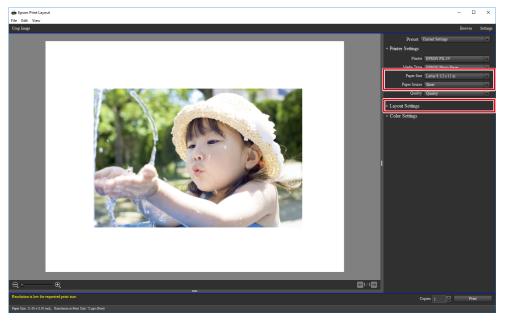
If using Nikon ViewNX-i and an Epson printer

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

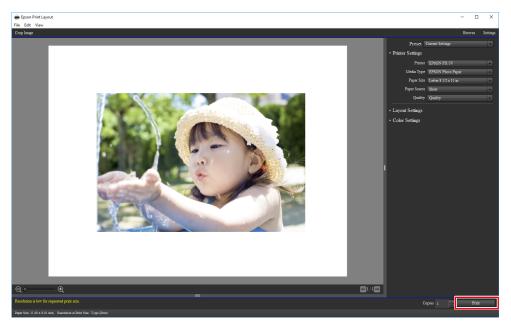


Epson Print Layout starts.

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.



# 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.

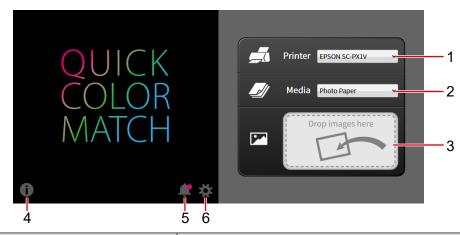
### Switching Photoshop mode

- 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 **C**. The Preferences menu appears.
- 2. Select "Use" or "Do not use" from "Photoshop mode".

		Prefer	ences
OIIICK		Lighting	D50 •
$\mathbf{V}$		Reset to the start-up color mode	No
COLOR		Photoshop mode	Use •
		Check update at start-up	Do not use
MAICH		Quality Improvement Program	Join   See details
			Optional features
	*		ОК

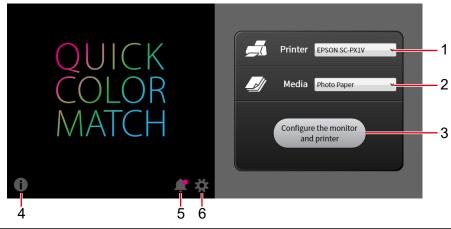
3. Click the [OK] button.

## 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	i	Checks the version number, and displays the User's Manual.
5	*	Displays notifications from EIZO. • is displayed when there are unread notifications.
6	*	Displays the Preferences menu.

## When not using Photoshop mode

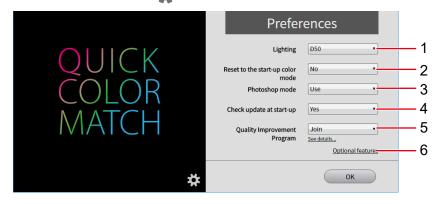


No.	Item	Description
1	Printer	Select a printer to be used.
2	Media	Select paper to be used.
3	Configure the monitor and printer	Configures the monitor and printer settings at the same time.
4	•	Checks the version number, and displays the User's Manual.
5	<b>#</b>	Displays notifications from EIZO. • is displayed when there are unread notifications.
6	*	Displays the Preferences menu.

# 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			
	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".		
1		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 ≧ 90	Select this if using high color rendering lighting (5400 K, Ra $\ge$ 90).		
2	Reset to the start-up color mode	Color Match. The color mode of on models that do	not to reset the color mode setting of the monitor when exiting Quick f the monitor will change to User mode (User1 mode or Custom mode not have User mode) when using Quick Color Match. Ily 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.		
	Photoshop mode	Select whether to	use Photoshop mode.		
3		Use (Default)	Select this to display images using Photoshop. Use this mode when Photoshop is installed on your PC. Refer to page 36 for Photoshop mode.		
		Do not use	Select this to display images using retouching software other than Photoshop.		

No.	Menu	Setting	Description	
	Check update at	Select whether or not to check the update information of Quick Color Match via the Internet.		
4	start-up	Yes (Default)	Checks the update information automatically.	
		No	Does not check the update information automatically.	
	Quality	Specify whether o	r not to join the "Quality Improvement Program".	
5	Improvement	Join	Joins the "Quality Improvement Program".	
	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 75, "2-9 Calibration Function" on page 80, "2-10 Adding and Removing Media" on page 85 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).

_			
Q	UICK	Printer EPS	ON SC-PX1V 🗸
C(	DLOR	Media Pho	to Paper 🗸 🗸
M	ATCH	Drop i	mages here
0	<b>*</b> *		
	Quick Color Match		×
	Informa	ition	
	Version		
	Q	Check for updates	1
	Version Copyright © 2016-2018 EIZO Corp reserved.	oration, All rights	2
	User's Manual	<u>To License</u>	3 4 5
	ОК		

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 informa		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 36.

1. Click 🚺.

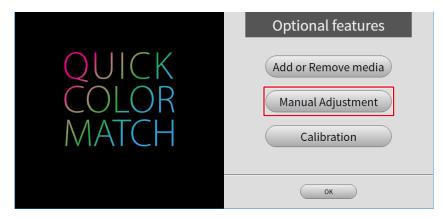
The Preferences menu appears.

2. Click "Optional features".

		Prefer	rences
OIIICK		Lighting	D50 •
		Reset to the start-up color mode	No
COLOR		Photoshop mode	Use •
		Check update at start-up	Yes
MAICH		Quality Improvement Program	Join  V See details
			Optional features
	*		ОК

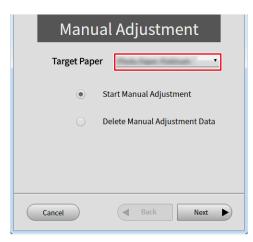
The Optional features menu appears.

3. Click "Manual Adjustment".



The Manual Adjustment menu appears.

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



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

	Manual Adjustment
	Target Paper
	Target Monitor CS2730( )
	Start Manual Adjustment
	O Delete Manual Adjustment Data
(	Cancel A Back Next

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

Manual Adjustment				
Target Pap	Target Paper			
۲	Start Manual Adjustment			
	Delete Manual Adjustment Data			
Cancel	Back     Next			

6. Set each adjustment item.

Manu	Manual Adjustment				
Brightness 50 150 cd/m²	100	150	200	250	
Color Temperatu 4500 User	5500 5500	6000	6500	User	
Coordinate	0				
Undo	$\supset$				
Cancel		Back	Fini	ish 🕨	

#### • 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  $\bigcirc$  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  $\bigcirc$  indicating the current position of the white point or by using  $\bigcirc$ .

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 91

#### To delete manual adjustment data

1. Click 🚺.

The Preferences menu appears.

2. Click "Optional features".

	Prefer	rences
QUICK COLOR MATCH	Lighting Reset to the start-up color mode Photoshop mode Check update at start-up Quality Improvement	D50   No  Use  Yes  Join
,	Program	See details  Optional features  OK

The Optional features menu appears.

3. Click "Manual Adjustment".

	Optional features
QUICK COLOR MATCH	Add or Remove media Manual Adjustment Calibration
	ОК

The Manual Adjustment menu appears.

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

Manua	Manual Adjustment		
Target Paper Target Monitor	CS2730( )		
• St	art Manual Adjustment		
O De	elete Manual Adjustment Data		
Cancel	Back Next		

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

Manual Adjustment		
Target Paper		
Target Monitor CS2730( )		
Start Manual Adjustment		
O 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 A Back Next

6. Click "Yes".

Manual Adjustment		
Q Quick Color Match		
Delete manual adjustment data of .		
Are you sure? You cannot undo this operation.		
Yes No		
Cancel A 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 116 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 83.

1. Click

The Preferences menu appears.

2. Click "Optional features".

		Prefer	ences
$\cap \square \square \cap \mathbb{K}$		Lighting	D50 •
		Reset to the start-up color mode	No •
COLOR		Photoshop mode	Use •
		Check update at start-up	Yes •
MAICH		Quality Improvement Program	Join  See details Optional features
	*		ОК

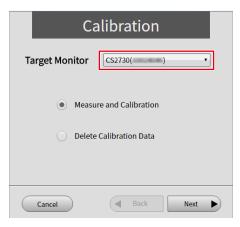
The Optional features menu appears.

3. Click "Calibration".

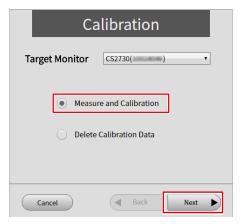
	Optional features
	Add or Remove media
MATCH	Manual Adjustment Calibration
	ОК

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".



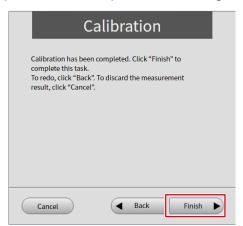
7. Install the measurement device, and click "Next".

If using a built-in calibration sensor, click "Next" without taking any other actions.

Calibration	
Measure the monitor. Slightly tilt the LCD panel up and attach the measurement device to the window, then click "Next". Avoid operating any function of the monitor while measuring.	
Cancel A Back Next	Þ

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".

	Prefere	ences
QUICK COLOR MATCH	Lighting Reset to the start-up color mode Photoshop mode Check update at start-up Quality Improvement Program	D50   No  Ves  Ves  Join  See details  Optional features
	*	ОК

The Optional features menu appears.

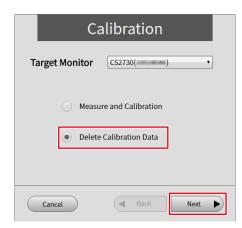
3. Click "Calibration".

	Optional features
QUICK COLOR MATCH	Add or Remove media Manual Adjustment Calibration
	ОК

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

Calibration			
Target Monitor CS2730( )			
Measure and Calibration			
O Delete Calibration Data			
Cancel Back Next			

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".

		Prefer	ences
		Lighting Reset to the start-up color mode Photoshop mode	D50 • No • Use •
MATCH		Check update at start-up Quality Improvement Program	Yes   Join  See details  Optional features
	*		ОК

The Optional features menu appears.

3. Click "Add or Remove media".

	Optional features
QUICK	Add or Remove media
COLOR	Manual Adjustment
MATCH	Calibration
	ОК

The list of paper appears.

4. Select the paper to add and click .

	Add or Remove media
$\cap \square \square \subset K$	Manufacturer All
	Pictorico Pro Hi-Gloss White Film 10.1.0
COLOK	Pictorico Pro Hi-Gloss Photo Paper     10.1.0      Pictorico Pro Semi-Gloss Paper     10.1      Pictorico Pro Semi-Gloss Paper     10.1
MAICH	Pictorico Pro Soft-Gloss Paper 1.0.10
	Pictorico Pro Cotton Paper
	ОК

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.		
_	Media Photo Paper Platinum • Canon Photo Paper Plus Glossy Photo Paper Plus Glossy A Photo Paper Pro Luster Photo Paper Pro Semi-gloss Matte Photo Paper		
	The paper data added are automatically updated.		

#### **Remove media**

After downloading data, the paper added can be removed.

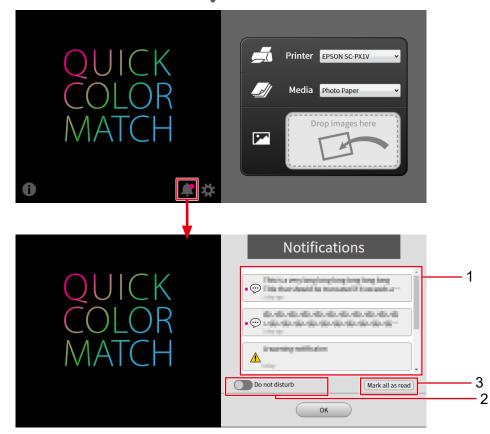
1. Select the paper to remove and click 😵.



The paper is removed.

## 2-11 Display Notifications Function

This section explains the display notifications function of Quick Color Match. To open the Notifications screen, click  $\pounds$ .



No.	ltem	Description
1	Notifications display area	<ul> <li>Displays notifications from EIZO. Unread notifications are indicated with a ● next to ;;;; or</li> <li>Indicates a general notification. You can check them in the notifications display area.</li> <li>Indicates an important notification. In addition to being able to check them in the notifications display area, you can also check them through a popup message when Quick Color Match is started.</li> </ul>
2	Do not disturb	If you do not want 🕂 notifications to appear as popup messages when starting Quick Color Match, turn on 🦲 this setting.
3	Mark all as read	Changes all notifications displayed in the notifications display area to Read status.

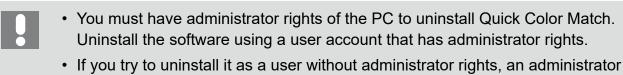
# 3

## Troubleshooting

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

3-1	Uninstalling Quick Color Match89
3-2	Quick Color Match Cannot be Installed89
3-3	Photoshop Cannot be Properly Configured from Quick Color Match90
3-4	Using Retouching Software Other Than Photoshop90
3-5	The print assistant software that should have been installed cannot be set from the retouching
	software90
3-6	Software
	Colors Do Not Match

## **3-1** Uninstalling Quick Color Match



- password will be required. Confirm the password in advance. • To set administrator rights on the PC, refer to the User's Manual or other
- To set administrator rights on the PC, refer to the User's Manual or other documents for the PC.

#### **Windows**

- 1. Select the "Start" button "Set" "Apps" "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.

#### <u>Mac</u>

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 116.

## 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 116.
- 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.

## **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 72 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**

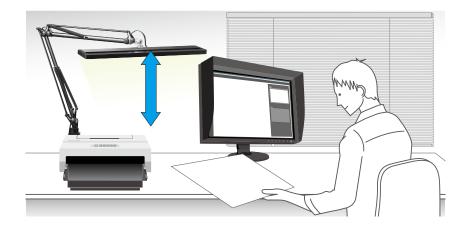
- Allows you to check printed matter under a high color rendering light of 5000 K.
- Does not mix multiple illuminating lights.
- Uses achromatic color for wall surfaces, etc.
- Blocks reflection of light onto the monitor by using the monitor hood.



#### Brightness does not match between the monitor and paper

< If the height of the lights can be adjusted>

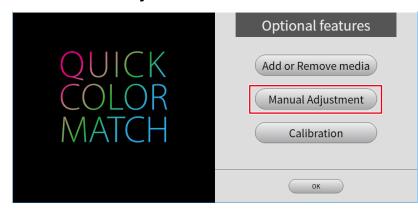
1. Adjust the height of lighting so that the brightness of paper may match that of the monitor.



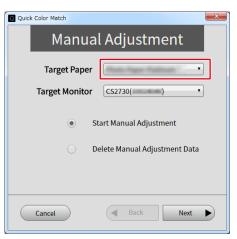
#### < If the height of lighting cannot be adjusted>

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.

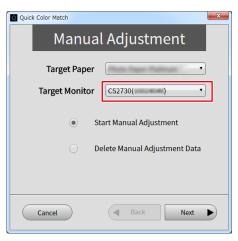
1. From the Preferences menu of Quick Color Match, select "Optional features" then click "Manual Adjustment".



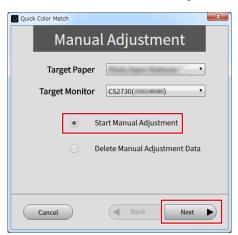
2. From "Target Paper", select the paper you are using for printing.



**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.

Q Q	uick Color Match					>
	Ma	anua	al Ad	justn	nent	
	Brightness 150 cd/m <sup>2</sup>	50	100	150	200	250
	Color Tem User	peratur <sup>4500</sup>	e 5500	6000	6500	User
	Coordinat	e	0			
	Unc	do	)			
	Cancel	)		Back	Fini	sh 🕨

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

Perform color matching again via the usual operation.

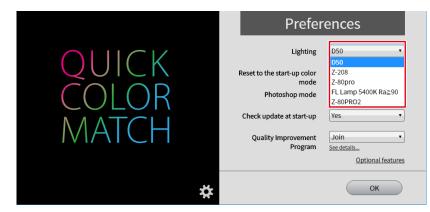


The results of color adjustment using Quick Color Match are saved in User mode of the monitor (saved in User1 mode or Custom mode on models that do not have User mode). Adjust the brightness without changing the mode.



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

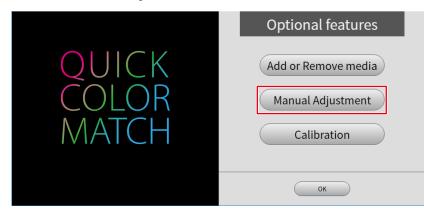
- 1. Change ambient light so that it is closer to the ideal one as much as possible.
  - Only use a high color rendering lighting equivalent to 5000 K of color temperature.
  - Do not apply other lights to the printed matter.
- 2. Open Preferences of Quick Color Match, and from "Lighting", select the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



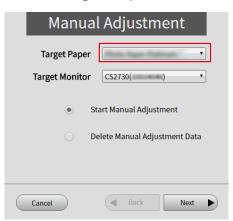
< If the color still does not match>

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".



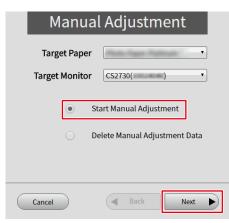
2. From "Target Paper", select the paper you are using for printing.



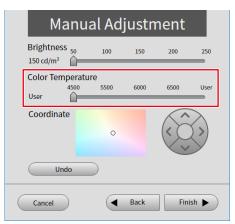
**3.** From "Target Monitor", select the monitor you are using.

	Manua	l Adjustment
	Target Paper Target Monitor	▼
		atart Manual Adjustment Delete Manual Adjustment Data
		elete Manual Aujustment Data
$\subset$	Cancel	Back Next

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

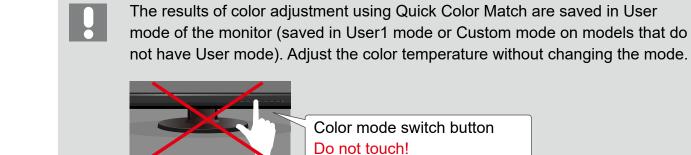


5. Adjust "Color Temperature" or "Coordinate" so that the color temperature of the screen matches the paper color.



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

Perform color matching again via the usual operation.





See Also

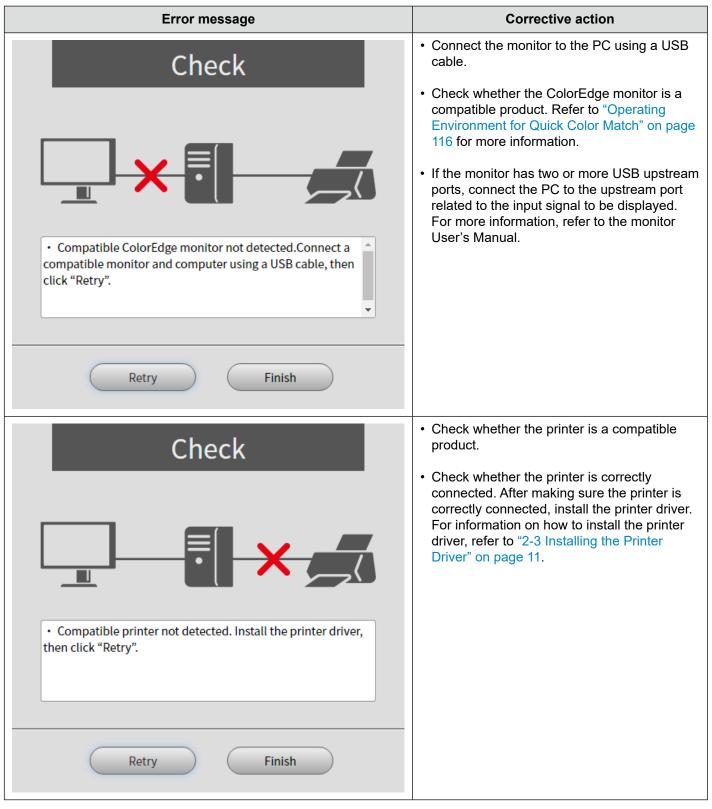
▶ "2-8 Manual Adjustment Function" on page 75

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

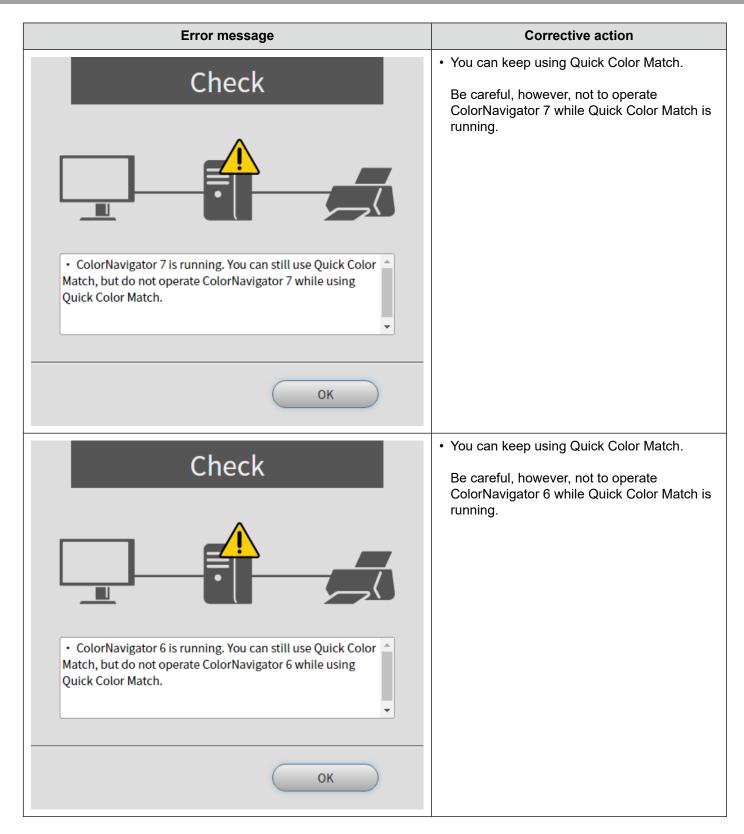
An error message may appear when you start Quick Color Match.

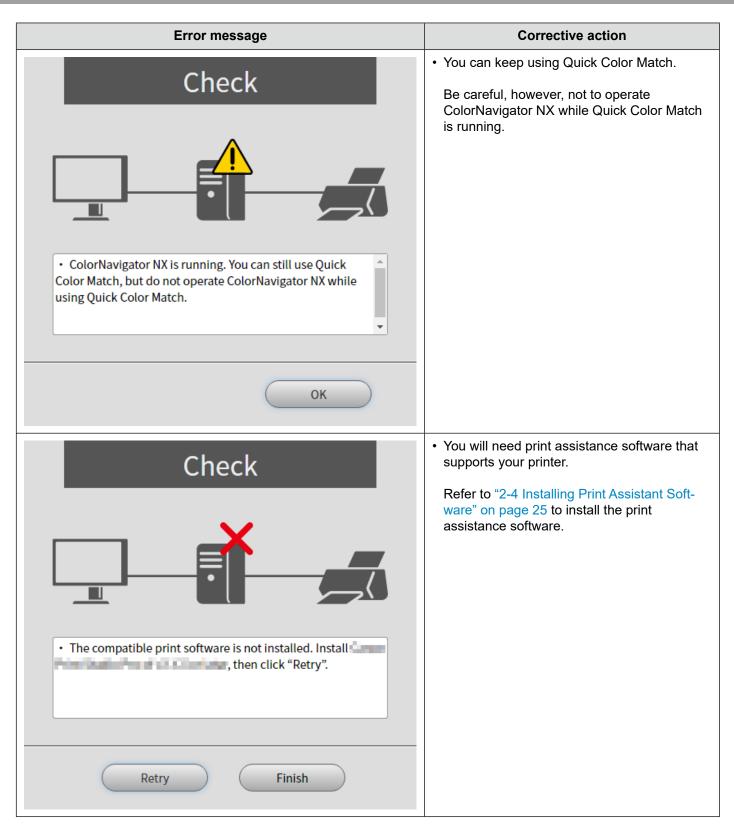
\* Or two or more messages may appear at a time.

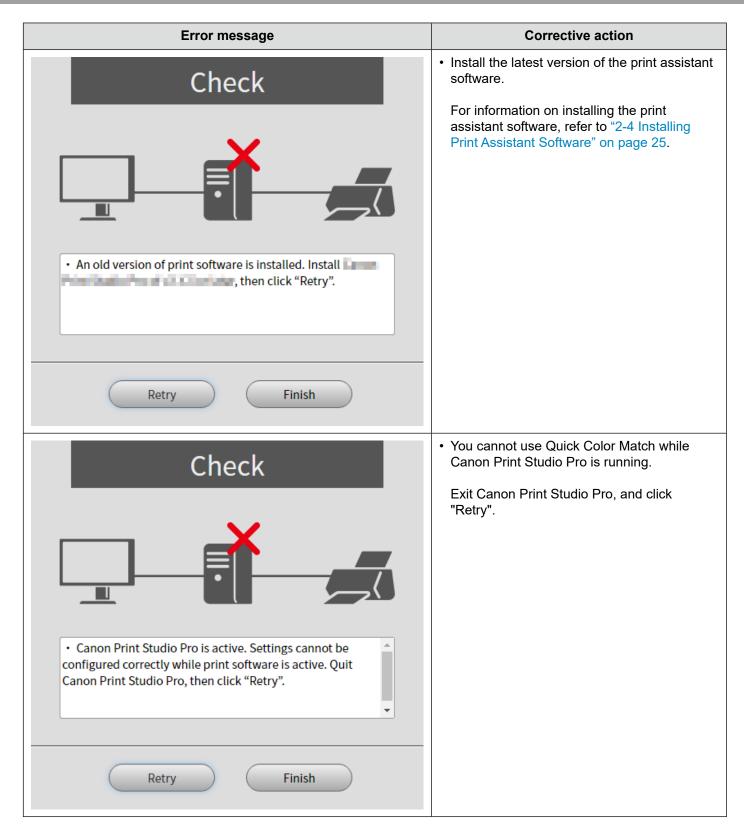
Check the details of the error message and take the following corrective actions as necessary.

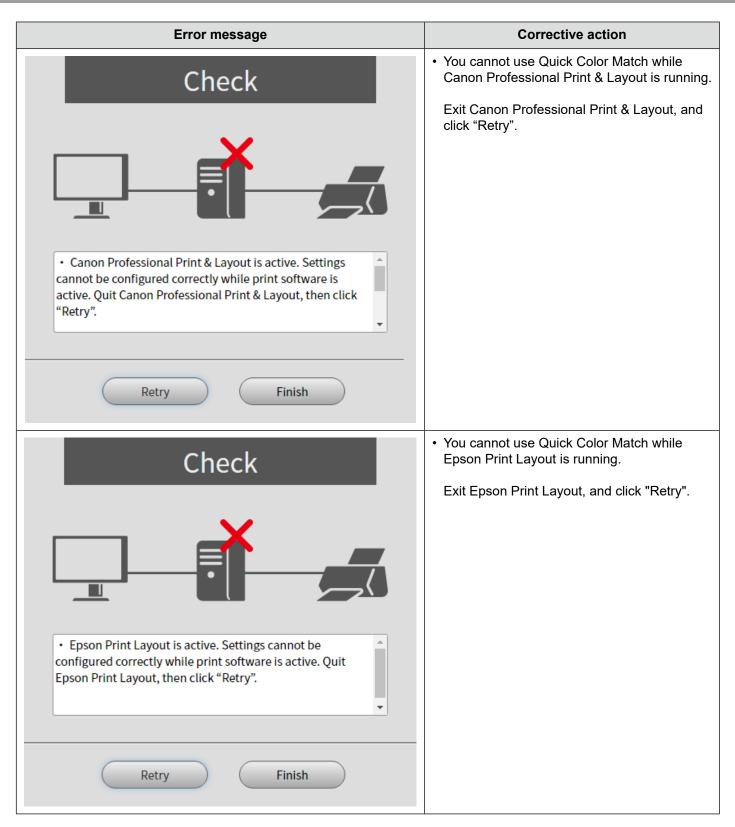


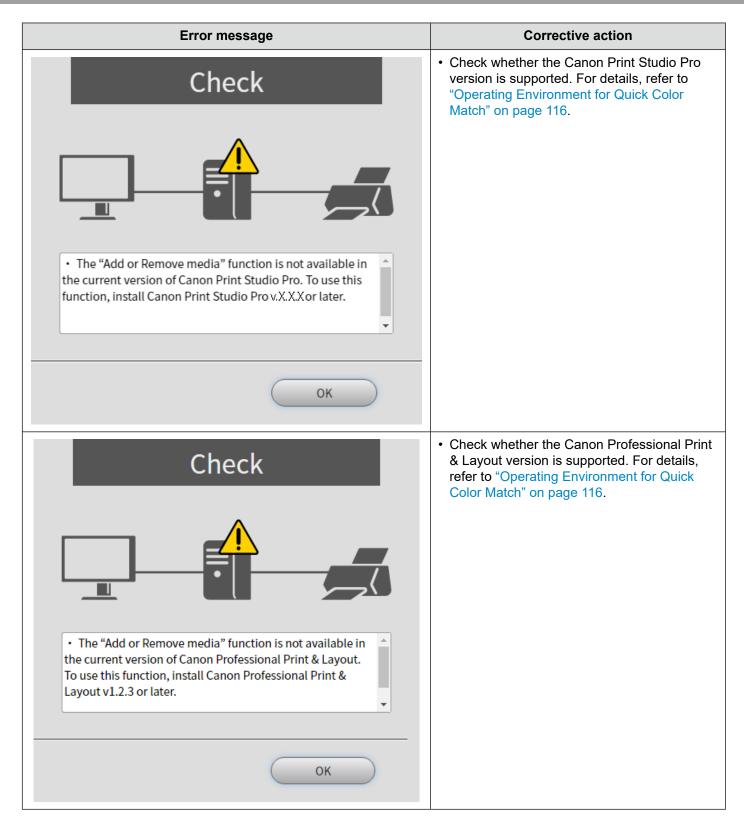
Error message	Corrective action
Check	<ul> <li>Print assistant software is required to use Quick Color Match. Install the print assistant software by referring to "2-4 Installing Print Assistant Software" on page 25.</li> <li>Check whether the print assistant software version is supported. Refer to "Operating Environment for Quick Color Match" on page 116 for more information.</li> </ul>
Retry Finish	<ul> <li>You cannot use Quick Color Match while print assistant software is running.</li> <li>Exit the print assistant software, and click</li> </ul>
<ul> <li>Print software</li> <li>Print software</li> <li>is active. Unable to configure correctly while print software is active. Quit print software, then click "Retry".</li> </ul>	"Retry".
Retry Finish	



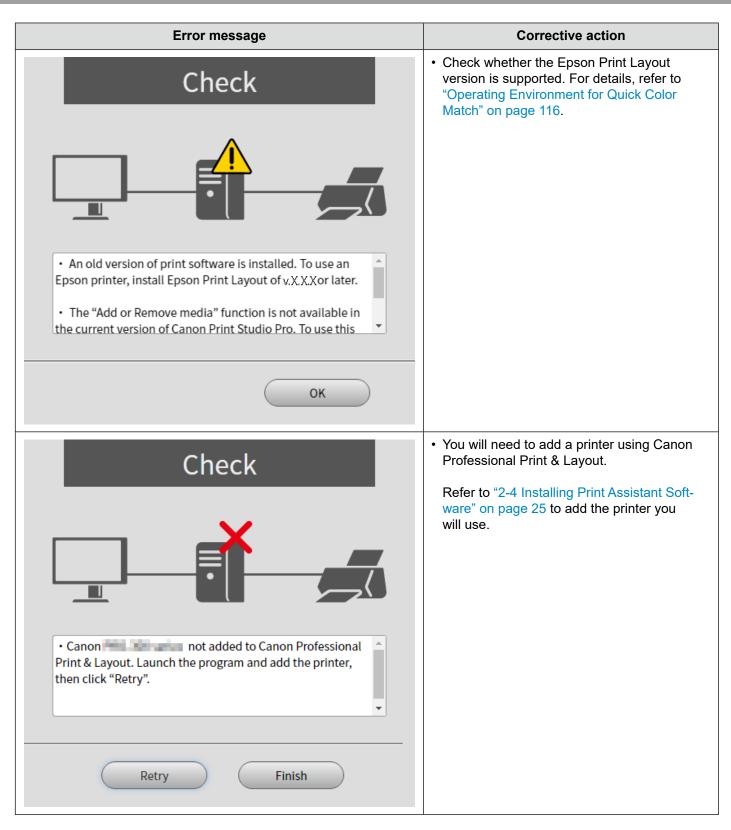








```
3 Troubleshooting
```



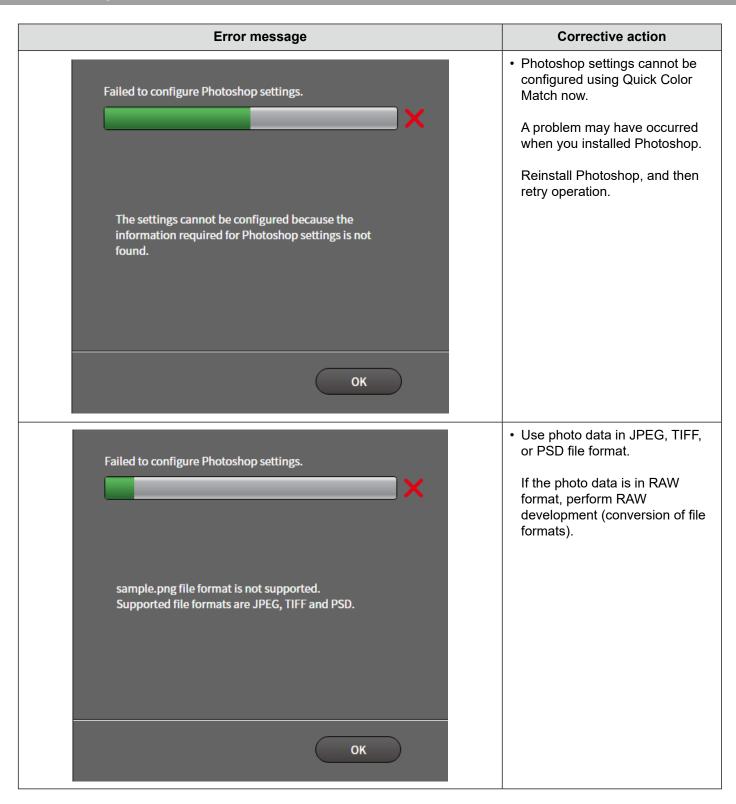
## **3-8** An Error Message Appears While Quick Color Match is Running

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

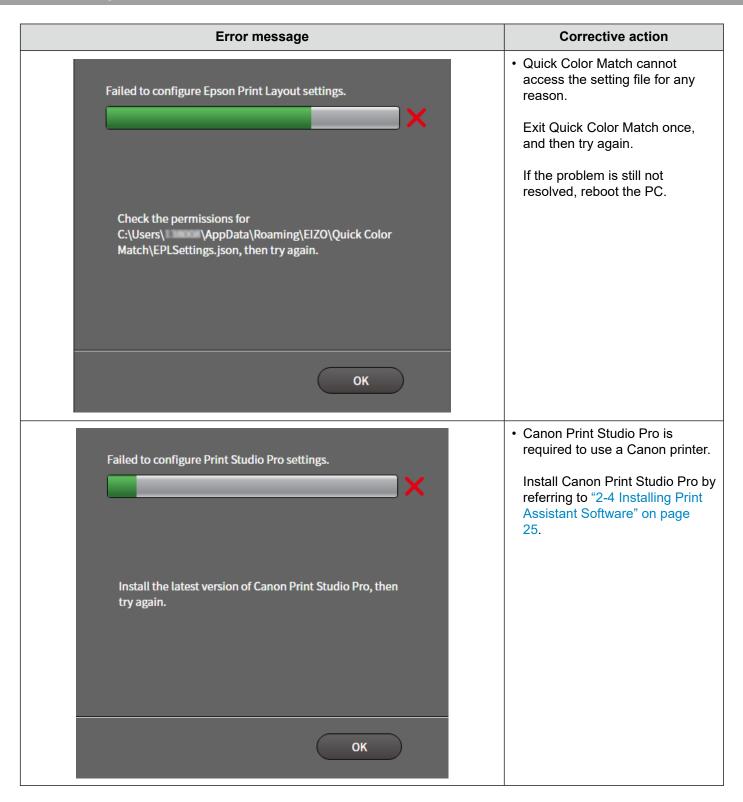
Check the details of the error message and take the following corrective actions as necessary.

Error message	Corrective action
Failed to configure monitor settings.	• 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.
<ul> <li>Check the following points. After that, quit Quick Color Match once, then try again.</li> <li>Is the monitor turned on?</li> <li>Is the monitor connected to the computer via a USB cable?</li> <li>Is the monitor being operated by other software?</li> </ul>	For information on how to connect the ColorEdge monitor, refer to Setup Guide.
ОК	
Failed to configure Photoshop settings.	<ul> <li>You cannot use Quick Color Match while Photoshop is handling another process.</li> <li>Exit Photoshop once, and then</li> </ul>
	try again.
Photoshop may be executing other processing. Wait until processing is finished, then try again.	
ОК	

3 Troubleshooting



Error message	Corrective action
Failed to configure Print Studio Pro settings.	<ul> <li>Quick Color Match cannot access the setting file for any reason.</li> <li>Exit Quick Color Match once, and then try again.</li> </ul>
Check the permissions for C:\Users\ \AppData\Roaming\Canon\Print Studio Pro\V2\UserData\Favorite\other\PSPSettings.xml, then try again.	If the problem is still not resolved, reboot the PC.
ОК	
Failed to configure Professional Print & Layout settings.	<ul> <li>Quick Color Match cannot access the setting file for any reason.</li> <li>Exit Quick Color Match once,</li> </ul>
	and then try again. If the problem is still not resolved, reboot the PC.
Check the permissions for C:\Users\AppData\Roaming\Canon\Professional Print & Layout\UserData\Favorite\other\PPLSettings.xml, then try again.	
ОК	



Error message	Corrective action
Failed to configure Professional Print & Layout settings.	<ul> <li>Canon Professional Print &amp; Layout is required to use a Canon printer.</li> <li>Install Canon Professional Print &amp; Layout by referring to "2-4 Installing Print Assistant Soft- ware" on page 25.</li> </ul>
Install the latest version of Canon Professional Print & Layout, then try again.	
Failed to configure Epson Print Layout settings.	<ul> <li>Epson Print Layout is required to use an Epson printer.</li> <li>Install Epson Print Layout by referring to "2-4 Installing Print Assistant Software" on page 25.</li> </ul>
Install the latest version of Epson Print Layout, then try again.	
ОК	

Error message	Corrective action
Failed to create a configuration file.	<ul> <li>You may fail to configure settings when photo data is displayed using a software program other than Quick Color Match.</li> </ul>
Quit other software, then try again. If mirroring (duplicate) display is carried out on multiple monitors, change the display mode to a mode other than mirroring, then try again.	<ul> <li>Exit the software program once. and then retry operation.</li> <li>You may fail to configure settings when mirror (duplication) display is set for multiple monitors.</li> </ul>
ОК	Change the mirror display to another display setting, and then retry operation.
Cannot find information necessary to handle Photo Paper Plus Glossy A. Update the driver of Canon PRO-100S series.	<ul> <li>Driver versions are restricted for some paper types used.</li> <li>Install the latest version of</li> </ul>
	printer driver.
ОК	For information on how to install the printer driver, refer to "2-3 Installing the Printer Driver" on page 11.
Cannot find information necessary to handle Photo Paper Plus Glossy A.	<ul> <li>The paper information stored in the printer and printer driver is required to be updated.</li> </ul>
Update paper information of Canon PRO-1000 series using Canon Media Configuration Tool, then update paper information in the printer driver.	Update the paper information stored in the printer using Canon Media Configuration Tool. For more information, refer to
ОК	the User's Manual for Canon Media Configuration Tool. Then, update the paper information stored in the printer driver.

# 4

## Reference

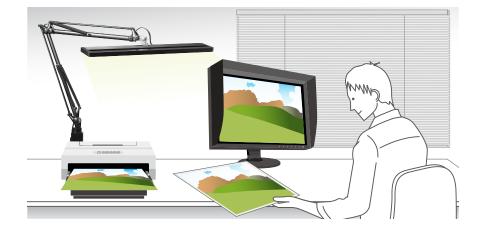
This chapter introduces basic knowledge required to enjoy color matching and about the structure of Quick Color Match.

4-1	What is Color Matching?	

- 4-2 Functions of Retouching Software ...... 113
- 4-3 Calibration of the Monitor ...... 114

## **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

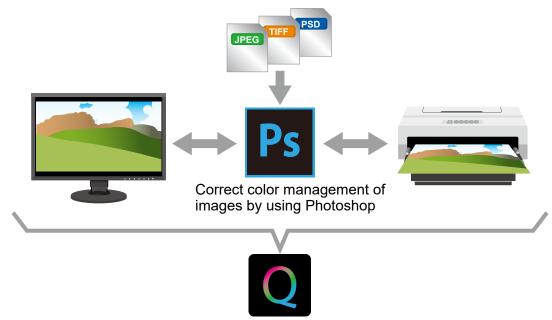
#### ▶ "4-1 What is Color Matching?" on page 112

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.



Simple and collective settings

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 80.



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.

## Glossary

#### 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<sup>2</sup> (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<sup>®</sup> 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, Mac *Please visit our website for details. www.eizoglobal.com/i/qcm			
Compatible monitor	EIZO ColorEdge series monitors *Please visit our website for details. www.eizoglobal.com/i/qcm			
Compatible printer	Canon printers, Epson printers *Please visit our website for details. www.eizoglobal.com/i/qcm			
Supported paper	Supported paper varies by printer. Please visit our website for the supported paper for each printer. www.eizoglobal.com/i/gcm-paper			
Compatible print assistant software	Canon	Print Studio Pro, Profes- sional Print & Layout	Install the latest version of the print assistant software.	
	Epson	Epson Print Layout	soliware.	
Compatible display retouch software	Display retouching software supported by Adobe Photoshop and print assistant software *Please visit our website for details. www.eizoglobal.com/i/qcm			
Supported file format	JPEG, TIFF, PSD			
Lighting	High color rendering lighting equivalent to 5000 K of color temperature			
	Xrite i1 Display 3, i1 Display Pro			
	Calibrite	ColorChecker Display Pro, Display Pro HL, Display Plus HL		
	Datacolor	Spyder5, SpyderX, SpyderX2		
Measurement device	EIZO	Built-In Calibration Sensor, EX3, EX4, EX5		
	<ul> <li>The measurement device is required for calibrating the monitor.</li> <li>The measurement device is not attached to this product. Purchase it from your local dealer as required.</li> <li>For more information about operating conditions and usage of the measurement device, refer to User's Manual attached to the product.</li> </ul>			

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