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Features of Color Calibration Management Console

Color Calibration Management Console is software that allows you to view the color calibration status and execute color calibration on multiple printers. You can also acquire color measurement data and execute color checks on printers that have a spectrophotometer unit installed.

- Display Color Calibration Status
- Execute Color Calibration
- Acquire Color Measurement Data
- Execute Color Check

Display Color Calibration Status

The printers connected via the network and USB are displayed in a list in the main window.

If there are multiple printers, printers where color calibration has been executed on the same paper type and that paper is loaded in the printer are displayed in the same calibration group. Printers that are in the same calibration group can be corrected to give the same color tones by executing color calibration.

When a printer is selected from the main window, the color calibration status, execution logs, etc. of that printer are displayed.

For details on how to check the color calibration status, see "Checking the Color Calibration Status (P.21)."

Execute Color Calibration

You can execute color calibration.

Executing color calibration improves color consistency by compensating for slight differences in how color appears due to individual variations or aging among the printers.

For the procedure for executing color calibration, see "Executing Color Calibration (P.24)."

Note

• In order to execute color calibration on paper other than genuine Canon paper/feed certified paper, a calibration target is required for that paper. Calibration targets can be created on a printer with a spectrophotometer unit installed by using the Media Configuration Tool that is included with printers that support the spectrophotometer unit.

Acquiring Color Measurement Data from the Color Chart

You can measure the colors of any arbitrary color chart and save the color measurement data on your computer. You can then create an ICC profile by importing this data into commercially available ICC profile creation software. For the procedure for acquiring color measurement data, see "Acquiring Color Measurement Data For Any Color Chart (P.28)."

Note

• This function can be executed when a printer that has a spectrophotometer unit installed is selected.

Execute Color Check

You can execute a color check.

When a color check is executed, a built-in pattern is printed, the color difference from a calibration target registered in the printer is calculated, and the check results are displayed.

Execute a color check when you want to check the color status of a printer in detail.

For the procedure for executing color check, see "Executing Color Check (P.37)."

Note

• This function can be executed when a printer that has a spectrophotometer unit installed is selected.

Installation Procedure

The installation procedure for the Color Calibration Management Console is as follows.

1 Open the **iPF CCMC Installer** icon (CCMC stands for Color Calibration Management Console).



2 Follow the instructions on the screen.



Uninstallation Procedure

The uninstallation procedure for the Color Calibration Management Console is as follows.

- 1 Close the Color Calibration Management Console.
- 2 In Finder, display the **Applications>Canon Utilities>imagePROGRAF CCMC** folder (CCMC stands for Color Calibration Management Console).
- 3 Delete the imagePROGRAF CCMC folder.

Startup

The startup procedure for the Color Calibration Management Console is as follows.

Click Applications>Canon Utilities>imagePROGRAF CCMC> and then the imagePROGRAF CCMC icon

(CCMC stands for Color Calibration Management Console).

This displays the Color Calibration Management Console main window.

IPPECKXX (IPPEckka, ex)	Paper Pala	Calibration	Color Measurement	
	Normal.	g res rearine gri cas		Calibration
	Advisability of executing	g color calibration:	-	
	Calibrated			Update
	Media Type	Status	Color Calibration Date	
	🛱 Heavyweight Coated	Normal	2011/08/03 22 14	
	🚍 Heavyweight Coated	Normal	2011/08/03 22:14	
Printer Information	🚍 Heavymeight Coated	Normal	2011/08/03 22:14	

Main Window

s imagePROGRAF Color Calibration Management Console File Tools Window He

The Color Calibration Management Console main window consists of a menu bar, title bar, **Printer** list, **Calibration** sheet, and **Color Measurement** sheet.

You can switch between the Calibration sheet and Color Measurement sheet by clicking the ACalibration tab or

BColor Measurement tab. You can also switch between the sheets from the File menu in the menu bar.

inter Update		A	B Color Measurement	
IPEXXXX (IPExxx, xx)		Galiforation	Color Measurement	
Destatu (destatu est	Paper Bei	ing Fed: Heavyweight C	Coated Paper	
	Normal.			Calibration
	Advisability of executin	ng color calibration:	-	
	Calibrated			Update
	Media Type	Status	Color Calibration Date	
Printer Information				

Menu bar

Allows you to select the menu items for the necessary operations.

🗱 imagePROGRAF Color Calibration Management Console File Tools Window Help

For details on each of the menu items, refer to the following topics.

- imagePROGRAF Color Calibration Management Console Menu (P.10)
- File Menu (P.11)
- Tools Menu (When the Calibration Sheet is Displayed) (P.12)
- Tools Menu (When the Color Measurement Sheet is Displayed) (P.13)

You can switch between displaying and hiding the Color Calibration Management Console using the Window menu.

Clicking **imagePROGRAF Color Calibration Management Console Help** in the **Help** menu displays the Color Calibration Management Console help.

Main Window

Printer List

Displays a list of printers that can be controlled. For details, see "Printer List (P.15)."

Printer	U	pdate
iPFXXXX	(iPFxxxx_xx)	
iPFXXXX	(iPFxxxx_xx)	
Driptor	Information	
Prin	tmonitor	
?		
\odot		

Calibration Sheet

This sheet allows you to execute color calibration. For details, see "Calibration Sheet (P.17)."

Paper Being	ed: Heavyweight Coa	ated Paper	
Normal.		and the second se	Calibration
Advisability of executing co		-	
Calibrated			Update
Media Type S	itatus	Color Calibration Date	

Color Measurement Sheet

This sheet allows you to acquire color chart measurement data and execute color check. For details, see "Color

Measurement Sheet (P.19)."



• Enabled when a printer that has a spectrophotometer unit installed is selected.

Execution Logs Media Type	Paper Width	Status	Start	▲ Time	
mean type	ruper muti	Status	Juit		

imagePROGRAF Color Calibration Management Console Menu

This section describes each of the menu items in the **imagePROGRAF** Color Calibration Management Console menu.

imagePROGRAF Color Calibration Management Console	ile	Тос
About imagePROGRAF Color Calibration Management Conso	le	
Preferences	9	€,
Services		
Hide imagePROGRAF Color Calibration Management Console Hide Others Show All	و ہ 17	€H €H
Quit imagePROGRAF Color Calibration Management Console	9	€Q

About imagePROGRAF Color Calibration Management Console

Displays the About dialog box, which allows you to check the version of Color Calibration Management Console.

Preferences

Displays the Preferences dialog box.

This allows you to select the units displayed in the Color Calibration Management Console, configure the sound that is displayed when executing a color calibration, acquiring color measurement data, or executing a color check finishes, and configure other settings.

Services

You can use the functions of other applications while you are using Color Calibration Management Console. For details, refer to the Mac OS X help.

Hide image Color Calibration Management Console/Hide Others/Show All

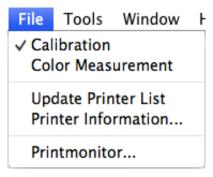
Switches between displaying and hiding windows.

Quit imagePROGRAF Color Calibration Management Console

Exits Color Calibration Management Console.

File Menu

This section describes each of the menu items in the File menu.



Calibration / Color Measurement

Selects the main window sheet.

Update Printer List

Refreshes the **Printer** list on the left side of the main window with the latest information.

Printer Information

Displays the Printer Information dialog box for the printer selected in the Printer list.

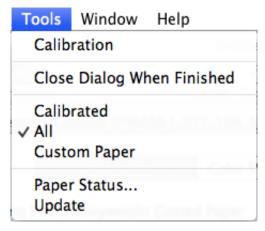
This allows you to check detailed information about the printer.

Printmonitor

You can start the imagePROGRAF Printmonitor for the printer selected in the **Printer** list, allowing you to confirm information such as the status of print jobs.

Tools Menu (When the **Calibration** Sheet is Displayed)

This section describes each of the menu items in the **Tools** menu when the **Calibration** sheet is displayed in the main window.



Calibration

Displays the Execute Color Calibration dialog box.

Executes color calibration on the selected printer.

For the procedure for executing color calibration, see "Executing Color Calibration (P.24)."

Close Dialog When Finished

Selects whether or not to close the progress dialog box automatically when the color calibration finishes.

When the check box is selected, the progress dialog box closes automatically.

Calibrated/All/Custom Paper

Selects the paper types displayed in the main window (Calibration sheet).

Paper Status

Displays the Paper Status dialog box.

This allows you to check the color calibration and color check execution logs for the selected paper.

Update

Refreshes the paper list in the main window with the latest information.

Tools Menu (When the Color Measurement Sheet is Displayed)

This section describes each of the menu items in the **Tools** menu when the **Color Measurement** sheet is displayed in the main window.

Note

• Enabled when a printer that has a spectrophotometer unit installed is selected.

Tools	Window	Help	
	ire Color M [·] Check	easurement Data	
	ay Procedu Dialog Wh	re Window en Finished	
Favor	ites		
Save	Details Data ut Executio	n Log CSV	

Acquire Color Measurement Data

Displays the procedure description window or Select Execution Log window.

This allows you to measure the colors of a color chart in the selected printer and acquire the color measurement data.

For the procedure for acquiring color measurement data, see "Acquiring Color Measurement Data For Any Color Chart (P.28)."

Color Check

Displays the Execute Color Check dialog box.

Execute color check on the selected printer.

For the procedure for executing color check, see "Executing Color Check (P.37)."

Display Procedure Window

Selects whether or not to display the procedure description window when executing **Acquire Color Measurement Data**.

When the check box is selected, the procedure description window is displayed.

Close Dialog When Finished

Selects whether or not to close the progress dialog box automatically when Color Check or Acquire Color

Measurement Data finishes.

When the check box is selected, the progress dialog box closes automatically.

Favorites

Displays the Favorites Management dialog box.

This allows you to check the execution logs registered in the favorites.

Log Details

Displays the Execution Log Details dialog box.

This allows you to check the details of the execution log selected in **Execution Logs** in the main window.

Save Data

Displays the Output Color Measurement Data dialog box.

This saves the color measurement data of the execution log selected in **Execution Logs** in the main window on the computer.

Note

• This menu cannot be selected if multiple execution logs are selected.

Output Execution Log CSV

When **Selected Logs** is selected, this saves the execution log selected in **Execution Logs** in the main window on the computer in a CSV format file.

When **All Logs** is selected, this saves all of the execution logs displayed in **Execution Logs** in the main window on the computer in a CSV format file.

Printer List

The printers displayed in the **Printer** list are printers connected via the network or USB that satisfy the following conditions. However, printers that are connected via a server are not displayed.

- Printers that are compatible with the Color Calibration Management Console
- Printers where the printer driver is installed



Printer

If color calibration is executed on the paper being fed, printers that are being fed the same paper are displayed under the

Calibration group.

🕕 is displayed on printers that have a message related to color calibration.

III is displayed on printers where the spectrophotometer unit is installed.

Double-click the printer name to display the **Printer Information** dialog box, allowing you to check the detailed printer information.

Note

• Printers that are added, deleted, or have their name changed while Color Calibration Management Console is running are not updated in the **Printer** list. If you want to update the **Printer** list, exit and then restart Color Calibration Management Console.

Update button

Click this button to refresh the **Printer** list with the latest information.

Printer Information button

Click this button to display the **Printer Information** dialog box for the selected printer, allowing you to check the detailed printer information.

Printmonitor button

Click this button to start the imagePROGRAF Printmonitor for the selected printer, allowing you to confirm information such as the status of print jobs.

Calibration Sheet

This sheet allows you to execute color calibration and check the color calibration status of the printer selected in the **Printer** list.

Paper	Being Fed: Heavyweight Coa	ated Paper	
Normal.			Calibration
	uting color calibration:	-	
Calibrated	+		Update
Media Type	Status	Color Calibration Date	

Paper Being Fed

Displays the media type being fed in the printer.

Calibration button

Click this button to display the Execute Color Calibration dialog box.

Executes color calibration on the selected printer.

For the procedure for executing color calibration, see "Executing Color Calibration (P.24)."

Advisability of executing color calibration

Displays the status until it is recommended that you execute color calibration. The progress bar grows until the time when calibration is recommended.

Paper Status button

Click this button to display the Paper Status dialog box.

This allows you to check the color calibration and color check execution logs for the selected paper.

Color calibration status for each paper

Nomal.	r Being Fed: Heavyweight C		Calibration
			Centration
Advisability of exec	cuting color calibration:		
Calibrated	\$		Update
Media Type	Status	Color Calibration Date	
- neavyweight Coa	ted Normal	2011/08/03 22:14	
₹ Heavyweight Coa	eeu Normai	2011/00/03 22:14	

Click the **Update** button to refresh the list with the latest information. \blacksquare is displayed on the paper currently being fed in the printer.

The paper types displayed in the list are as follows.

When Calibrated is selected

Paper types that are registered in a printer where color calibration has been executed are displayed.

When All is selected

Paper types registered in a printer are displayed.

When Custom Paper is selected

Paper types other than genuine Canon paper and feed certified paper that are registered in a printer are displayed.

Color Measurement Sheet

This sheet allows you to use the spectrophotometer unit to measure colors.

		Color M			
Color Measure	Color Check				
xecution Logs					
Media Type	Paper Width	Status	Start	Time	N
		Save Data	Favorites	Log Det	

Color Measure button

Click this button to display the procedure description window or Select Execution Log window.

This allows you to measure the colors of a color chart in the selected printer and acquire the color measurement data. For the procedure for acquiring color measurement data, see "Acquiring Color Measurement Data For Any Color Chart (P.28)."

Color Check button

Click this button to display the Execute Color Check dialog box.

Execute color check on the selected printer.

For the procedure for executing color check, see "Executing Color Check (P.37)."

Execution Logs

Displays the execution logs of acquiring color measurement data.

R is displayed on the paper being fed.

The name registered in the favorites is displayed in Name.

Save Data button

Click this button to display the Output Color Measurement Data dialog box.

This saves the color measurement data from the selected execution log on the computer.

Favorites button

Click this button to display the Favorites Management dialog box.

This allows you to check the execution logs registered in the favorites.

Log Details button

Click this button to display the Execution Log Details dialog box.

This allows you to check the details of the selected execution log.

Checking the Color Calibration Status

You can check the color calibration status and execution logs on the Calibration sheet in the main window.

1 Open the **Calibration** sheet.

PECCCX (PEccca_en)	1	Calibration	Color Measurement	
	Paper Be	ing Fed: Heavyweight Co	ated Paper	
	Normal.			Calibration
	Advisability of execution	ng color calibration:	=	
	Calibrated	*		Update
	Media Type	Status	Color Calibration Date	
	Heavyweight Coated	Normal	2011/08/03 22:14	
	R Heavyweight Coated	Normal	2011/08/03 22:14	
Printer Information	Heavyweight Coated	Normal	2011/08/03 22:14	

2 Select the printer you want to check the color calibration status of from the **Printer** list.

Update	1	Calibration	Color Measurement	
(PEXXXX (PExxx_m) (PEXXXX (PExxx_m)	Paper Bein	g Fed: Heavyweight Co	ated Paper	
	Normal.			Calibration
	Advisability of executing	olor calibration:	-	
	Calibrated	2		Update
	Media Type	Status	Color Calibration Date	
Printer Information				
Printer Information				Paper Status

Note

• If there are multiple printers, printers that have the same paper type loaded and where color calibration has been executed on that paper are displayed in the same calibration group.

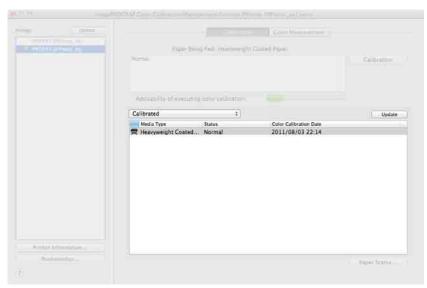
3 Check the color calibration status of the paper being fed in the upper part of the Calibration sheet.

College Section	Paper Reino	Fed: Heavyweight Co	stad Panar	
	Normal.	red. neargneight co		Calification
	Advisability of executing	color calibration:	-	
	Celicirated.			1
	Maile Trice	Name -	Color Californian Can 2012/18/03 21:14	
	A Normalization			

4 Select Calibrated and click the Update button.

PERCOCK (PErcent and	GAID	Color Measurement	
IFFXXXX (IFFxxx_xx)	Paper Being Fed: Heavyw	eight Coated Paper	
	Normal.		Calibration
	Advisability of executing color calibrat	ion:	
	Calibrated		Update
	Media Type Status Heavyweight Coated Normal	Color Calibration Date 2011/08/03 22:14	
Printer Information			

5 Check the color calibration logs in the lower part of the **Calibration** sheet.



Executing Color Calibration

The procedure for executing color calibration is as follows.

Getting the Printer Ready

- 1 You can confirm whether the paper to be loaded can be used in color calibration.
- 2 Load the paper.

Note

- If Adj. Quality has not been executed even once on the paper you are using when you execute Auto Adjust (High Precision), execute Adj. Quality in the control panel menu.
- 3 If a spectrophotometer unit is mounted, select the White/Black Backing Plate color. We recommend white.

Note

• For the color of the White/Black Backing Plate, continue using the selected color without changing each time you execute color calibration.

Executing Color Calibration

1 Open the **Calibration** sheet.

ter Update (PFXXXX (IPFicture, tx)	Paper Beir	Calibration	Color Measurement	
	Normat.			Calibration
	Advisability of execution	g color calibration:	-	
	Calibrated	3		Update
	Media Type	Status Normal	Color Calibration Date 2011/08/03 22:14	
Printer Information				

2 Select the printer you want to execute color calibration on from the **Printer** list.

nter Update		Calibration	Color Measurement	
IPPOXXX (IPPxxxx_m)	Paper Being Fed	Heavyweight Coa	ted Paper	
	Normal.			Calibration
	Advisability of executing colo	r calibration:	-	
	Calibrated	4		Update
	Media Type State		Color Calibration Date	
	🕿 Heavyweight Coated Nor		2011/08/03 22:14	
			2011/08/03 22:14	
Printer Information			2011/08/03 22:14	

3 Click the Calibration button.

er Updare	1	Calibration	Color Measurement	
	Pape	r Being Fed: Heavyweight Coa	ated Paper	
	Normal.			Calibration
	Advisability of exe	cuting color calibration:	-	
	All	\$		Update
	Media Type	Status	Color Calibration Date	
	Heavyweight Coa	tedNormal	2011/08/03 22 14	
	Heavyweight Coa	teđ.⊾. Normat	2011/08/03 22:14	
Printer Information	Heavyweight Coa	teđ Normat	2011/08/03 22:14	

4 The Execute Color Calibration dialog box is displayed.

ustment (high precision).		
Color Calibration Type:	Auto Adjust (High Precision)	\$
Pattern Size:	Standard	\$
Confirmation Message:	Media type: Heavyweight Coated Paper Apply the color calibration correction values to only.	o this media type

Color Calibration Type

Select **Auto Adjust (High Precision)** to execute color calibration using the spectrophotometer unit, or select **Auto Adjust** to execute color calibration using the sensors in the printer.

	1		
11	N	~	+ -
	11	U	ι

• Enabled when a printer that has a spectrophotometer unit installed is selected.

Pattern Size

You can select this setting when Auto Adjust (High Precision) is selected in Color Calibration Type.

We recommend Larger when you want to prioritize the color measurement precision.



• Enabled when a printer that has a spectrophotometer unit installed is selected.

5 Click the **OK** button.

6 When the **Execute Color Calibration** dialog box is displayed, check the details.

<u></u>		olor Calibration
About to exe	ecute using the follo	owing settings. Proceed?
	Printer Name:	iPFXXXX
	Product Name:	iPFXXXX
	Port Name:	XXX.XXX.XXX.XXX
In	stallation Location:	
	Media Type:	Heavyweight Coated Paper
	Type:	Auto Adjust (High Precision)
	Pattern Size:	Standard

7 Click the **Execute** button.

Color calibration will be executed.

000	Calibration iPFxxxx (iPFxxxx_xx)	_
Color c <mark>alib</mark> r	ation is executing.	
		0%
Close th	s dialog automatically when finished	Cancel

Note

• You can exit the color calibration in the middle by clicking the **Cancel** button. However, it may take some time to end.

8 Click the **OK** button.

000	Calibration iPFxxxx (iPFxxxx_xx)	_
Color calibr	ation has finished.	
		100%
Close th	s dialog automatically when finished	ОК

Acquiring Color Measurement Data For Any Color Chart

The procedure for printing a color chart, measuring the colors, and saving the color measurement data on a computer is as follows.

The color measurement data saved on the computer can be used such as for creating ICC profiles. ICC profiles are created using commercially available software.

Created ICC profiles can be used by the printer driver.



• This step can be executed when a printer that has a spectrophotometer unit installed is selected.

Getting the Printer Ready

- 1 Confirm whether the paper to be loaded can be used for acquiring color measurement data.
- 2 Load the paper.

Note

- If Adj. Quality has not been executed even once on the paper you are using, execute Adj. Quality in the control panel menu.
- 3 Select the White/Black Backing Plate color.

Acquiring Color Measurement Data

1 Open the **Color Measurement** sheet.

ter	Update		Calibration	Color	feasu/mmmit		
	PFRAN, NX						
a a contra a		Color Measure	Color Check				
		Execution Logs					
		Media Type	Paper Width	Status	Start	 Time 	N
	formation						

2 Select the printer you want to measure the color chart on from the **Printer** list.

inter	Update		Calibration	Color N	feasurement.		
(FFXXXX (FFXXXX_X)		Color Measure	Color Check	2			
		Execution Logs					
		Media Type	Paper Width	Status	Start	Time	Na
R							
Printer Informatic Printmonitor							

3 Click the Color Measure button.

ter	Update (PFKDA_PR)		Calibration	Color	Measurement		
	(PFxxx_x)	Color Measure	Color Check				
		Execution Logs					
		Media Type	Paper Width	Status	Start	Time	, Na
	Information						

4 Check the color chart measurement procedure in the procedure description window and then click **Start**.

0 0 0	Acquire Color Measurement Data : iPF6450iPFxxxx (iPFxxxx_xx) xxxx
Color Measurement Data	Acquisition Procedure
Step 1:	Select Execution Log
	Select the settings values for color measurement data acquisition from the favorites sheet or log sheet.
Step 2:	Print Settings
	Configure the color chart, media type, print quality, and other settings.
Step 3:	Color Measurement Settings
	Set the drying and color measurement methods.
Step 4:	View Settings
	Confirm the settings before executing.
Step 5:	Execute
	Execute acquire color measurement data using the configured settings.
(?) Do not display this windo	w again

5 Select New in Favorites and then click Next.

Chart: dia Type: dia Type: t Quality: t Quality: c Cating: abel Print:
ser Width: dia Type: It Pionity: t Quality: Cutting: abel Print:
dia Type: It Pinothy: It Quality: Cutting: ibel Print:
it Priority: It Quality: C Cutting: Ibbel Print:
rt Quality: c Cutting: abel Print:
c Cutting: abel Print:
abel Print:
Settings:
mination:
ver Angle:

Note

• To perform color chart measurement using the setting values when executed previously, select the execution log in the **Favorites** sheet or **History** sheet.

6 Select the color chart, configure the color chart print settings, and then click Next.

Chart:	TC2.83 RGB.txt	Browse	
	(Canada and a second se		
Roll Paper Width:	24-in. Roll (609.6mm) #	Acquire Info.	
Media Type:	Conserve Paper Canon Heavyweight Coated Paper		
	The second s	2	
Print Priority:	Accession and a second se		
Print Quality:			
	Extend print pass		
Paper Source:	Roll Paper		
Automatic Cutting:	Yes	0	

Setting Item	Details
Chart	Selects the color chart to print. If the color chart you want to print is not
	displayed in the list, click the Browse button and then select the color chart.
	You can only select color charts that are CGATS format RGB.
Roll Paper Width	Click the Acquire Info. button to display the paper width of the roll loaded
	in the printer.
Conserve Paper	Selecting this check box allows you to conserve paper by reducing the gap
	between the pieces of a color chart when the chart is printed split into pieces.
Media Type	Select the type of paper.
Print Priority	Choose the graphic elements that you want to emphasize for printing.
Print Quality	Choose the print quality.
Extend print pass	Uneven printing may occur when printing with the Highest setting in Print
	Quality. Selecting this check box may improve the uneven printing.
	However, the printing speed will be reduced.
Paper Source	Selects the paper source.
Automatic Cutting	Selects how to cut the paper when Acquire Color Measurement Data
	finishes.
Print Labels	Select this check box to print the color chart printing information.

7 Configure the color measurement settings and drying settings, and then click **Next**.

Color Measurement Preferences Standard © Separate Settings Total Drying Time: 00:02:30 Reduce Drying Time Color Measurement Settings: Illumination: D50 UV Cut: No Color Measurement Value: Color Measurement Value: Color Measurement Value:	rd te Settings Settings Drying Time	
Separate Settings Total Drying Time 0:0:02:30 Reduce Drying Time Color Measurement Settings: Illumination: D50 0bserver Angle: 2 UV Cut: No \$ Color Measurement Value:	te Settings Settings Drying Time	
Total Drying Time 00:02:30 Reduce Drying Time Color Measurement Settings: Illumination: D50 ± Observer Angle: 2 ± UV Cut: No ± Color Measurement Value: Color Measurement Value:	Drying Time	
Color Measurement Settings: Illumination: D50 Observer Angle: 2 UV Cut: No Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurement Value: Color Measurem	e e e urement Value:	
Color Measurement Settings: Illumination: D50 + Observer Angle: 2 + UV Cut: No + Color Measurement Value: Stab NYZ	e e e urement Value:	
Illumination: D50 == Observer Angle: 2 == UV Cut: No == Color Measurement Value: Stab :: XYZ	e e e e e e e e e e e e e e e e e e e	
Observer Angle: 2 + UV Cut: No + Color Measurement Value:	e e e e e e e e e e e e e e e e e e e	
UV Cut: No : Color Measurement Value:	: urement Value:	
Color Measurement Value:	urrement Value:	
Isb □ XYZ		
		and the second se
		LOCIONAL DE LA COMPANY
		5 mm

Setting Item	Details
Color Measurement	Configures the pattern size to print the color charts and the drying settings
Preferences	for the printed color charts.
	Choose Standard to print at the standard pattern size and dry using the
	standard setting values.
	Click the Settings button to display the Color Measurement Preferences
	dialog box, which allows you to configure the pattern size and drying
	method in detail.(*1)
Reduce Drying Time	Selecting this check box reduces the drying time.
	Once the time configured in the Color Measurement Env. sheet in the
	Preferences dialog box has elapsed, color measurement proceeds without
	performing any further drying with the ventilation fan.
	Specify a time that offers sufficient drying by air drying in the Preferences
	dialog box. If you perform color measurement while the ink is not dry, the
	measurements may not be correct.
	The Preferences dialog box is displayed when you click Preferences in the
	imagePROGRAF Color Calibration Management Console menu.
	If the number of patterns is small, drying will finish in a shorter amount of
	time than the time configured in the Preferences dialog box. If this happens,
	the drying time will not be reduced even if the Reduce Drying Time check
	box is selected.
Illumination	Select the illumination from D50 , D65 , and A .

Acquiring Color Measurement Data For Any Color Chart

Setting Item	Details
Observer Angle	Selects the observer angle.
UV Cut	Selects whether or not UV cut is used.
Color Measurement Value	Saves the color measurement data for the color measurement values where
	the check box is selected.
	The Lab check box cannot be cleared.

*1:If you want to enlarge the color chart pattern or configure the color chart drying settings in detail, click the **Settings** button to display the **Color Measurement Preferences** dialog box.

Pattern Size:	• Standa	rd				
	OLarger					
Drying Method:	💽 Ventila	tion Fan				
	Select o	Irying ti	me every six	pattern lir	nes.	
	Time	75	(10-360	0 seconds) 🗌 Reduce	e Drying Time
	Airflow		Standard		\$	j
	O Air Dry	ing				
	√ Dry	Separate	d Chart			
	0	Time	0	min.	(0-24 hours)	
Total Drying Time:	00:02:30					
Position of Ventilation	● Standa ○ High	rd				
(?) Defaults					Cancel	ОК

Setting Item	Details
Pattern Size	Selects the pattern size of the color chart.
	We recommend Larger when you want to prioritize the color measurement
	precision.
Drying Method	Choose Ventilation Fan to dry using the ventilation fan or Air Drying to
	dry without using the ventilation fan.
Ventilation Fan	Configures the drying time and airflow for the ventilation fan.
Time	Configures the drying time for the ventilation fan for each pattern.
	The number of lines that are dried at one time by the ventilation fan varies
	depending on the size selected in Pattern Size.
	As the time increases, the adhesion of the ink improves and the color tones
	become more stable.
Reduce Drying Time	Selecting this check box reduces the drying time.
	Once the time configured in the Color Measurement Env. sheet in the
	Preferences dialog box has elapsed, color measurement proceeds without
	performing any further drying with the ventilation fan.
	Specify a time that offers sufficient drying by air drying in the Preferences

Setting Item	Details
	dialog box. If you perform color measurement while the ink is not dry, the
	measurements may not be correct.
	The Preferences dialog box is displayed when you click Preferences in the
	imagePROGRAF Color Calibration Management Console menu.
	If the number of patterns is small, drying will finish in a shorter amount of
	time than the time configured in the Preferences dialog box. If this happens,
	the drying time will not be reduced even if the Reduce Drying Time check
	box is selected.
Airflow	Selects the airflow of the ventilation fan.
Air Drying	Sets the period between the color chart being printed and the color
	measurement starting.
	If the Dry Separated Chart check box is selected, printing and air drying
	are repeated for each separated color chart. This makes it harder for the color
	charts to become scratched or soiled, but also increases the time taken by the
	operation.
	If the Dry Separated Chart check box is clear, printing and air drying the
	color chart are performed once. This reduces the time taken by the
	operation, but may scratch or soil the end of the color chart and paper.
	However, this does not affect the color measurement results.
Position of Ventilation Fan	If you are using paper that has a tendency to curl or paper that does not dry
	easily, select High so that the paper does not come into contact with the
	paper presser.
	Note that when High is selected, we recommend that you set the Time
	longer and the Airflow stronger compared with when Standard is selected
	because of the larger distance between the ventilation fan and paper.

8 The View Settings window is displayed. Check the details of the settings and click the OK button.

t Settings		
Chart:	TC2.83 RG8.txt	
Roll Paper Width:	24-in. Roll (609.6mm)	
Media Type:	Canon Heavyweight Coated Paper	
Print Priority:	Proof	
Print Quality:	Standard (300dpi)	
Automatic Cutting:	Yes	
Label Print:	Yes	
or Measurement Settings		
Drying Settings:	Separate Settings	
Illumination:	D50	
Observer Angle:	2	
		Lesson and the second se
		Width: 609.6 mm

Note

- Click the Add to Favorites button to display the Add to Favorites dialog box, which allows you to add the setting details to favorites.
- 9 The **Output Color Measurement Data** dialog box is displayed.

Select the file to save the color measurement data into and click the OK button.

File Name: Browse File Format: CGATS ‡			
File Format: CGATS ‡	File Name:		Browse
	File Format:	CGATS ‡	

 $10 \ \ \, \text{The Acquire Color Measurement Data dialog box is displayed.}$

Click the **Execute** button.

Printer Name:	IPEXXXX
Product Name:	
Port Name:	xxx.xxx.xxx.xxx
Installation Location:	

The color chart is printed and color measurement begins.

quiring color measurement data.	
tal Progress:	
inter de labol	
inting the label.	
4	Remaining Time: 00:00:00

Note

• You can exit the acquire color measurement data operation in the middle by clicking the **Cancel** button. However, it may take some time to end.

11 Click the **OK** button.

Acquiring color measurement data has fir	iished.
Total Progress:	
The finalization processing has finished.	
	Remaining Time: 00:00:00

Once the color measurement has finished, the color measurement data is saved on the computer.

Executing Color Check

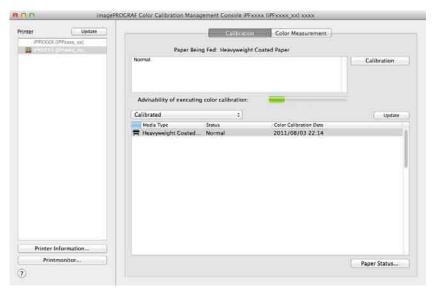
When a color check is executed, a built-in pattern is printed, the color difference from a calibration target registered in the printer is calculated, and the check results are displayed.

Note

- This step can be executed when a printer that has a spectrophotometer unit installed is selected.
- When printing the color check adjustment pattern, the calibration adjustment values are applied even if Use Adj. Value is set to Disabled in the Control Panel menu.

Setting the Color Check Threshold Value

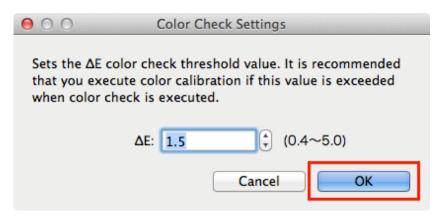
1 Double-click the printer you want to execute the color check on in the **Printer** list.



2 Click the **Settings** button for **Color Check** in the **Printer Information** dialog box.

Printer			
	Printer Name:	iPFXXXX	
	Product Name:	iPFXXXX	
	Port Name:	XXX.XXX.XXX.XXX	
	Installation Location:		
	Firmware Version:	01.06	
	Serial Number:	A0123456	
Cali	bration Execution Guide:	Notify	
3	Spectrophotometer Unit:	Yes	
Spectrophotom	eter Sensor		And Street Street
	Serial Number:		
Serial Number	of White Calibration Tile:		
	Firmware Version:		
	Illumination Time:		
	Backing Plate:		
Color Check	1		THE PERSON NEWSFILM
	ΔE Threshold Value:	1.5	Settings
Message			

3 Enter the color check threshold value in ΔE and click the OK button.



Getting the Printer Ready

- Confirm whether the paper to be loaded can be used for color checks.
 Paper for color check is paper that can be used with the Auto Adjust (High Precision) setting on the spectrophotometer unit.
- 2 Load the paper.



• If Adj. Quality has not been executed even once on the paper you are using, execute Adj. Quality in the control

panel menu.

3 Select the White/Black Backing Plate color.

Note

• For the color of the White/Black Backing Plate, select the color from when color calibration was executed using the spectrophotometer unit.

(See "Executing Color Calibration (P.24).")

Executing Color Check

1 Open the **Color Measurement** sheet.

inter	Update	1	Calibration	Color N	Aeasu/ement		
IPPOCKOCK (IP	Picca (x)						
-		Color Measure	Color Check				
		Execution Logs					
		Media Type	Paper Width	Status	Start	a Time	Na
Printer Inf	formation						

2 Select the printer you want to execute color check on from the **Printer** list.

PPXXXX (PPXxxx, xx)		Calibration	Color	deasu/mmmit		
(IPPXXXX (IPP200200)	Color Measure	Color Check				
	Execution Logs					
	Media Type	Paper Width	Status	Start.	Time	Na
Printer Information						
Printer information	9			- 11 - 21 - 11	Log Deta	
Printmonitor			Save Data:			

Executing Color Check

3 Click the **Color Check** button.

nter Update		Calibration	Color N	deasuronneot		
	Color Measure	Color Check				
	Execution Logs					
	Media Type	Paper Width	Status	Start	Time	Nai
Printer Information						

4 The **Execute Color Check** dialog box is displayed.

Select Pattern Size.

To increase the precision of the color check, we recommend that you configure the same settings as when Auto Adjust (High Precision) was executed in color calibration. (See "Executing Color Calibration (P.24).")

000	Execute Color Check	
Set the pattern size.		
Pattern Size:	Standard	*
Confirmation Message:	Media type: Heavyweight Coated Pa Perform color check using this media	
(?)		Cancel OK

5 Click the **OK** button.

6 When the **Execute Color Check** dialog box is displayed, check the details.

	Printer Name:	iPFXXXX
	Product Name:	iPFXXXX
	Port Name:	XXX.XXX.XXX.XXX
Insta	allation Location:	
	Media Type:	Heavyweight Coated Paper
	Pattern Size:	Standard

7 Click the **Execute** button.

The color check is executed.

000	Color Check iPFxxxx (iPFxxxx_xx)
Color check	c is executing.
	0%
Close th	is dialog automatically when finished Cancel

Note

• You can exit the color check in the middle by clicking the **Cancel** button. However, it may take some time to end.

8 Check the results.

000	Color Check iPFxxxx (iPFxxxx_xx)	
The color	check has finished.	
ΔE:1.50 O	ĸ	
		100%
🗌 Close t	his dialog automatically when finished	OK

Note

 We recommend that you execute color calibration if the results exceed the threshold values. (See "Executing Color Calibration (P.24).")

Registering Execution Logs in Favorites

You can register frequently used execution logs in favorites for **Acquire Color Measurement Data**. Registering an operation in favorites allows you to attach a separate name for easily recalling the operation.

Note

- This step can be executed when a printer that has a spectrophotometer unit installed is selected.
- You can register up to 30 execution logs in the favorites.
- 1 Select the execution log to register in favorites in **Execution Logs** in the main window (**Color Measurement** sheet).

nter 📃	pdate		Calibration	Color Me	adurerment		
IPPROX (IPPress, sx)		Color Measure	Color Check				
		Execution Logs Media Type	Paper Width	Status	Start	Time	Na
	1	Canon Heavyweight C	24-in: Roll (609.6mm)				
		Canon Heavyweight C					
Printer Information							

- 2 Click the Log Details button.
- 3 Click the Add to Favorites button in the Execution Log Details dialog box.

Name:	Print Settings
withe.	Chart: TC2.83 RGB.txt
	Roll Paper Width: 24-in. Roll (609.6mm)
Comment:	Media Type: Canon Heavyweight Coated Paper
	Print Priority: Proof
	Print Quality: Standard (300dpi)
	Automatic Cutting: Yes
	Label Print: Yes
	Color Measurement Settings
	Drying Settings: Separate Settings
	Illumination: D50
	Observer Angle: 2
	Add to Favorites

Registering Execution Logs in Favorites

- 4 Enter the name in Name. Enter a comment in Comment if needed.

 Add to Favorites

 Name:

 Comment:

 Cancel
- 5 Click the **OK** button.

Deleting Execution Logs From Favorites

You can delete Acquire Color Measurement Data execution logs from the favorites.



- This step can be executed when a printer that has a spectrophotometer unit installed is selected.
- 1 Click the **Favorites** button in the main window (**Color Measurement** sheet).

ter Update	1	Calibration	Color Me	atiarement		
a and a set of the set of the	Color Measure	Color Check	1			
	Execution Logs					
	Media Type		Status	Start	Time	Na
	Canon Heavyweight C	24-in: Roll (609.6mm) 24-in: Roll (609.6mm)		2012/05/09 11:23 2012/05/09 11:25		
Printer Information					_	_
			e Data	Favorites	Log Details	

2 Select execution log that you want to delete in Favorites and click the Delete from Favorites button.

Favorites:	1	Print Settings				
Name			Chart:	TC2.83 RGB.txt		
xxx01			Roll Paper Width:	24-in. Roll (609	9.6mm)	
xxx02			Media Type:		ight Coated Pap	er
	_		Print Priority:	Proof		
			Print Quality:	Standard (600d	pi)	
			Automatic Cutting:	Yes		
			Label Print:	Yes		
		Color Measurement S	ettings			
			Drying Settings:	Standard		
			Illumination:	D50		
			Observer Angle:	2		
	19-					
	12					
Comment:						
Delete from Favo	orites				All Infor	mation

3 Click the **OK** button.

Saving Execution Logs on the Computer

You can save Acquire Color Measurement Data execution logs on the computer.



- This step can be executed when a printer that has a spectrophotometer unit installed is selected.
- 1 Select the execution log to save on the computer in **Execution Logs** in the main window (**Color Measurement** sheet).

iter Updar			Calibration	_Color Me	starement		
(PEXXXX ((PFcox_ex)		Color Measure	Color Check	3			
	Execu	ition Logs					
		And a Type	Paper Width	Status	Start	Time	Na
		anon Heavyweight C	24-in. Roll (609.6mm)			00:01:18	
	E H	Canon Heavyweight C	24-in, Roll (609.6mm)	Completed	2012/05/09 11:25	00:01:12	_
Printer Information							

2 Select **Output Execution Log CSV** > **Selected Logs** from the **Tools** menu.

Note

- To save all of the execution logs, select **All Logs**.
- 3 Enter the file name and save.

Save As:		
Where:	Documents	\$]

Switching Display Units

The units displayed in the Color Calibration Management Console can be switched between millimeters and inches.

- 1 Select Preferences in the imagePROGRAF Color Calibration Management Console menu.
- 2 Select the display units in the Units sheet in the Preferences dialog box and then click the 🖲 button.

0.0		P	references		_
	Units	Sound	Color Measurement Env.)	
			⊛ mm		
			● mm ○ inch		

Getting Audio Notification of Color Calibration Finished

You can be notified by sound when color calibration finishes.

- 1 Select Preferences in the imagePROGRAF Color Calibration Management Console menu.
- 2 Select the Color Calibration check box in the Sound sheet in the Preferences dialog box and then click the Browse button and select the audio file.

U	nits Sound Color Measurement Env.		
Color Check:	iPF_Completed.wav	Browse	Test
Color Calibration:	iPF_Completed.wav	Browse	Test
Acquire Color Measurement D	iPF_Completed.wav	Browse	Test
		De	faults

Note

- If you want to check the sound in the selected audio file, click the **Test** button.
- 3 Click the 🖲 button.