

Software Guide for

"C-800 Utility"

Bundled as Standard with

C-800 SPECTROMASTER

#### To customers:

Thank you for purchasing our product. Please read this Software Guide and the product Operating Manual carefully for proper and safe use.

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- (d) software guide

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#### Introduction

This is a software guide for our "C-800 Utility."

Please note that screens and menus that are actually displayed may differ from those shown in this document. In that case, the actual display takes precedence. This document mainly uses the Windows version screens for explanations.

This document is written with the assumption that users have a basic knowledge of using personal computers (hereafter referred to as "computers") and Windows/Macintosh operating system.

For use of computers and Windows/Macintosh operating system, please refer to the instructions supplied with the computer.

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- Windows is a registered trademark of Microsoft Corporation in the United States and other countries. The formal name of Windows is Microsoft® Windows® Operating System.
- Macintosh and OS X are trademarks of Apple Inc., registered in the United States and other countries.
- Other company names and product names are trademarks or registered trademarks of the respective company in Japan and abroad.

# Safety Precautions

Before using this product, please read this "Safety Precautions" for proper operation.

<b>⚠</b> CAUTION	The CAUTION symbol indicates the possibility of minor to moderate personal injury or product damage if the product is not used properly.
NOTICE	The NOTICE symbol indicates cautions or restrictions when using the product. Please read all notes to avoid errors in operation.
NOTE	The reference symbol indicates additional information about the controls or related functions. Reading these is recommended.
<b>→</b>	The arrow indicates reference pages.



This software is applied to Windows version and Macintosh version.

The screens and/or appearance of this software may be different between Windows and Macintosh version,

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## 1. Major functions

This software is equipped with the following functions to support the "C-800 SPECTROMASTER" (hereafter referred to as "SPECTROMASTER"):

- Displaying SPECTROMASTER measurement results in figures and graphs and saving them in files
- 2. Transferring the saved measurement results on the computer to the SPECTROMASTER.
- 3. Editing SPECTROMASTER settings
- 4. Updating the SPECTROMASTER firmware (hereafter referred to as "F/W"), Operating Manual and this software

Models compatible with this software are as follows:

• C-800

# 2. Supported OS and installation procedures

## 2-1 Supported OS

Table 1 Supported OS

Software	Supported OS	Remarks
Windows	Windows7 SP1 Windows 8.1 Windows10	Supports both 32-bit and 64-bit versions for each OS.
Macintosh	OS X v10.11 OS X v10.12 OS X v10.13 OS X v10.14	Supports both 64-bit versions for each OS.

## 2-2 How to install this software (for Windows)

#### **For Windows**

Install this software into the computer after downloading from our website below.

URL: https://www.sekonic.com/support/downloads/c-700 800seriesutilityformacandwindows.aspx

Double-click "AutoRun,exe" in the folder which was downloaded from the website above.



Figure 1 Auto Run

Select the model name and a language to use. Then, click the item to install ("USB Driver," "Operating Manual" or "Utility").

After the installer of the selected target is started, click the "Next" button according to the installer instructions and proceed through the installation process.

## 2-3 How to uninstall this software (for Windows)

#### **For Windows**

Open the Control Panel. Click "Uninstall a program" in the program menu.

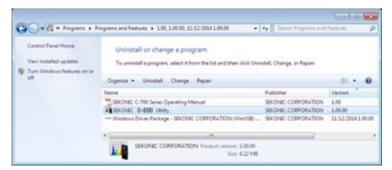


Figure 2 Uninstall a program

Select the item to uninstall and click "Uninstall."

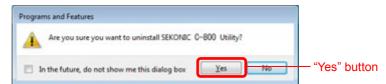


Figure 3 Programs and Features

Click "Yes" on the confirmation screen to start and complete the uninstallation.

## 2-4 How to install this software (for Macintosh)

#### For Macintosh

Install this software into the computer after downloading from our website below.

URL: https://www.sekonic.com/support/downloads/c-700 800seriesutilityformacandwindows.aspx

Double-click "Utility" in the folder which was downloaded from the website above.



Figure 4 Installer folder on Macintosh

Double-click the "SetupC800Utility.pkg" icon in the folder.

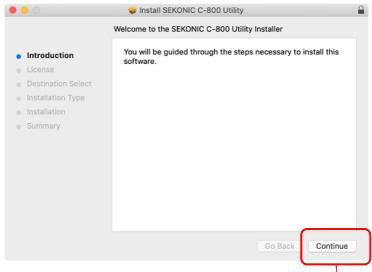


Figure 5 Installer screen on Macintosh

"Continue"

After the installer is started, click the "Continue" button according to the installer instructions and proceed through the installation process.

## 2-5 How to uninstall this software (for Macintosh)

#### For Macintosh

Open the "SEKONIC" folder in the "Application" folder. In the "SEKONIC" folder, open "C-800", then open "Uninstaller" and double-click "UninstallC800Utility."

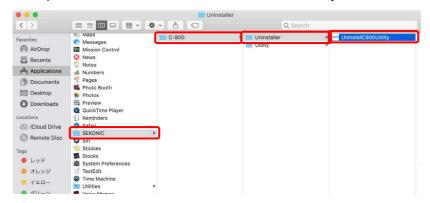


Figure 6 Application Folder on Macintosh



Figure 7 UninstallC800Utility icon

Click the checkbox(es) located to the left of item(s) you want to uninstall and click the "Uninstall" button.

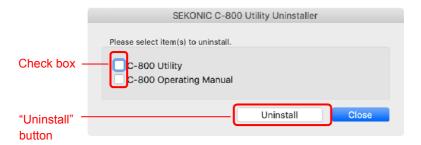


Figure 8 Uninstaller screen on Macintosh

If all items have been uninstalled and "UninstallC800Utility" has become unnecessary, open the "SEKONIC" folder in the "Application" folder, select the "C800" folder and drag and drop it into "Trash."

## 3. Connecting to/Disconnecting from SPECTROMASTER

### 3-1 How to connect to SPECTROMASTER



- Please prepare a USB cable before using this software.
- USB cables are not supplied with this product.
- Please use a USB A male to mini-B male cable.
- 1. Connect the USB cable to the computer.
- 2. Check that the power to SPECTROMASTER is turned off.
- Connect the USB cable to SPECTROMASTER.
- 4. Turn on the power to SPECTROMASTER.
- 5. Start this software.

When connection to SPECTROMASTER is completed, a screen as shown in Figure 9 appears.



Figure 9 Connection status (idling)



- If the process shown in Section "3-1 Connecting to SPECTROMASTER" is not followed, communication errors may occur.
- When this software is in operation, do not remove the USB cable with the SPECTROMASTER power turned on. Otherwise, the software may not work correctly even when the USB cable is reconnected.

If the USB cable is not connected correctly or if the SPECTROMASTER power is not turned on, a screen as shown in Figure 10 appears.

In that case, check SPECTROMASTER and the connection of the USB cable.



 This software is applied to C-800 only. If you connect C-700 series or C-7000, this software will not recognize the SPECTROMASTER, and the status will be "Unconnected".



Figure 10 Unconnected status

If SPECTROMASTER is in connection but in operation (while measuring or dark calibration), the screen as shown in Figure 11 may appear. In that case, please wait until measurement or dark calibration is finished and then operate this software.



Figure 11 Connection status (busy)

If SPECTROMASTER is in connection but in error, the screen as shown in Figure 12 may appear. In that case, exit this software at once, reconnect the USB cable and restart this software according to the procedures shown in "3-1 Connecting to SPECTROMASTER". (
P16)



Figure 12 Connection status (error)

## 3-2 How to disconnect from SPECTROMASTER

- 1. Exit this software.
- 2. Turn off the power of SPECTROMASTER.
- 3. Disconnect the USB cable connected to SPECTROMASTER.
- 4. Disconnect the USB cable connected to the computer.



Close the USB connector cover on SPECTROMASTER properly after use.

## 4. Operation on each screen

#### 4-1 Main screen

A main screen as shown in Figure 13 appears after starting this software according to the procedures shown in Section "3-1 Connecting to SPECTROMASTER".



Figure 13 Main screen (on Windows)



Figure 14 Main screen (on Macintosh)

No.	Name	Contents			
1	Memory Data	Displays the "4-2 Memory Management screen" ( ▶ P24 ).			
2	Product Setting	Displays the "4-3 Product Setting screen" ( ▶ P38).			
3	Product Information	Displays the "4-4 Product Information screen" ( ▶ P46).			
4	Screen Capture	Displays the "4-5 Screen Capture screen" ( ▶ P47).			
5	Update	Displays the "4-6 Update screen" ( P48).			
6	Exit	Exits this software.			



 While the screen of "Memory Management", "Product Setting", "Product Information" or "Update" appears, you cannot operate C-800 SPECTROMASTER. If you want to operate SPECTROMASTER with USB bus power, close each screen above to return to the Main screen, or exit this software and then operate SPECTROMASTER.

## 4-1-1 Menus (for Windows)

"Software Guide" and "About This Utility" are provided in "Help" as menus.

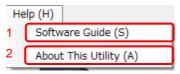


Figure 15 Menus (on Windows)

No.	Name	Contents	
1	Software Guide	This displays the Software Guide (this document)	
'		for this software.	
2	About This Utility	This displays the "4-1-3 About This Utility screen	
2		( <b>➡</b> <u>P23</u> ).	



• To open the software guide, Adobe Acrobat Reader or equivalent application to display the PDF file is to be installed in the computer.

## 4-1-2 Menus (for Macintosh)

"About This Utility" is provided in "C-800 Utility" and "Software Guide" is provided in "Help" as menus.

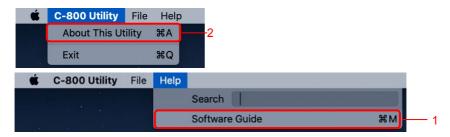


Figure 16 Menus (on Macintosh)

No.	Name	Contents	
Software Guide		This displays the Software Guide (this document)	
'		for this software.	
2	About This Utility	This displays the "4-1-3 About This Utility screen	
2		( <b>▶</b> <u>P23</u> ).	



 To open the software guide, Adobe Acrobat Reader or equivalent application to display the PDF file is to be installed in the computer.

## 4-1-3 About This Utility screen

This screen displays the version information of this software.

The following figure shows the initial version information. It may differ from the latest version information.

#### **For Windows**



Figure 17 About This Utility screen (on Windows)

#### **For Macintosh**

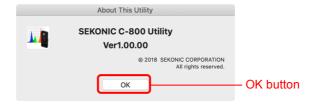


Figure 18 About This Utility screen (on Macintosh)

After confirming the information, click the "OK" button to return to the Main screen

## 4-2 Memory Management screen

The Memory Management screen is used to save measurement data memorized in SPECTROMASTER as files and to display (preview) and delete the measurement data. Besides saving data as CSV files, various graphs can be saved as image files.

In addition, necessary memorized data can be saved on the computer as the backup function, and backup data can be transferred to SPECTROMASTER.



Figure 19 Main screen (on Windows)

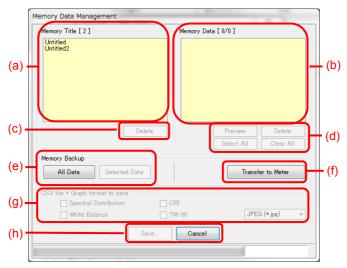


Figure 20 Memory Management screen (on Windows)

### <Select memory>

- (a) Select a relevant memory title in the list of "Memory Title".
- (b) All memory data that belong under the selected memory title are displayed in "Memory Data".
- (d) "Select All" or "Clear all" of memory dataClick the "Select All" button and all items in "Memory Data" are selected.Click the "Clear All" button and all items in "Memory Data" are deselected.

#### 4-2-1 Preview screen

Selected memory data in SPECTROMASTER is displayed.

There are multiple preview formats, and they can be switched using tabs. Graphs that are displayed can be saved individually in files and can also be copied to a clipboard.

Table 2 Graph to Preview

Item	Graph to preview		
	Spectral Distribution Graph		
Memory	CRI		
Management	White Balance		
	TM-30		

By selecting an item in "Memory Data" and clicking the "Preview" button, contents of the selected memory data are displayed. When multiple items in the list are selected, the "Preview" button cannot be clicked.

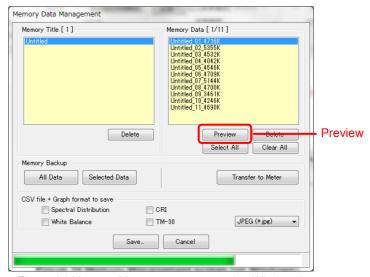


Figure 21 Memory Management screen (on Windows)

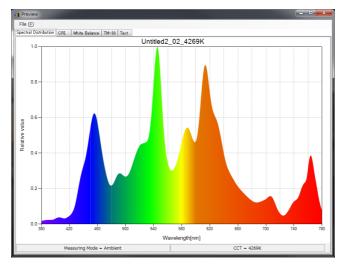


Figure 22 Memory Management / Preview screen (on Windows)



"Spectral comparison", "CRI comparison", "SSI", "TLCI/TLMF" and "Multi lights" graphs cannot be displayed in Preview screen.

Please use the function of "Screen Capture" ( P47).

### **Menu (for Windows)**

The following menus are provided for each Preview format and are used to save graphs individually:

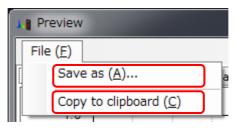


Figure 23 Preview / Menus screen (on Windows)

### Menu (for Macintosh)



Figure 24 Preview / Menus screen (on Macintosh)

Item	Name	Contents
	Save as	Saves graph images in files. Saving
File		format can be selectable: JPEG(.jpg),
riie		BMP(.bmp), PNG(.png)
	Copy to clipboard	Copies graph images to a clipboard.

## 1) Preview / Spectral Distribution

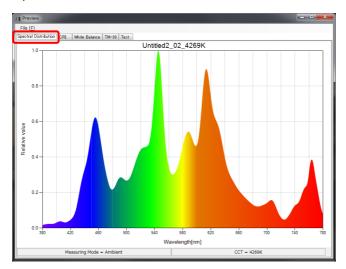


Figure 25 Spectral Graph

## 2) Preview / CRI

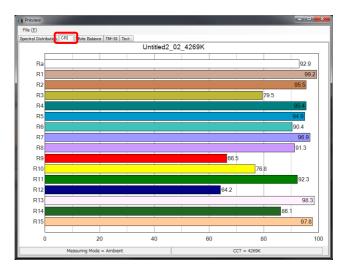


Figure 26 CRI

## 3) Preview / White balance

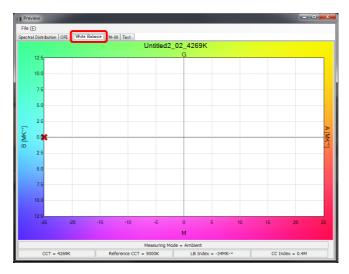


Figure 27 White Balance

## 4) Preview / TM-30

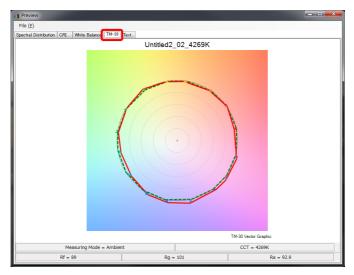


Figure 28 TM-30

### 5) Preview / Text

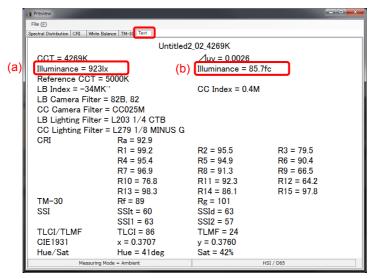


Figure 292 Text



 Unit of illuminance/exposure (lx/lx·s or fc/fc·s) will be different depending on the "Unit of Illuminance" and "Measuring Mode" set in SPECTROMASTER. The contents of memory data file (CSV format) will be also different accordingly.

Table 3 The contents of a display of illumination (exposure)

		Unit of Illumination setup					
		lx (lx·s)		fc (fc•s)		lx (lx•s) + fc (fc•s)	
Preview	/ Text	Text (a) (b)		(a)	(b)	(a)	(b)
CSV-format field No		8	9	8	9	8	9
Measuring	Ambient	Illumina nce [lx]	(Blank)	Illumina nce [fc]	(Blank)	Illumina nce [lx]	Illumina nce [fc]
Mode	Flash	Exposu re [lx•s]	(Blank)	Exposu re [fc•s]	(Blank)	Exposu re [lx•s]	Exposu re [fc•s]



Models sold in some countries do not display illuminance and exposure in "fc (fc·s)" due to legal restrictions.

## 4-2-2 Save Memory Data

Selected memory data in SPECTROMETER can be save on the computer.

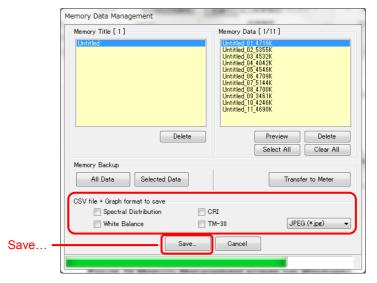


Figure 30 Memory Management screen

#### "Save..." memory data

By selecting item(s) (multiple selections allowed) in "Memory Data" and clicking the "Save" button, the selected memory data are saved in a file. If a file of the same name already exists, the existing file is overwritten.

The memory data are saved in the CSV format.

If item(s) have check mark(s), relevant graph image(s) are saved. The names of files to be saved are shown in "Table 4 File names of memory data to be saved ."

(For CSV-format data fields, please refer to "5. Appendix" ( ▶ <u>P53</u>).)

Table 4 File names of memory data to be saved

Item to be saved	Saving format	File name used for saving (*2)
Memory Data	Text format (CSV format) (*1)	MemoryDataName . csv
Spectral Distribution graph	lmana fila	MemoryDataName_SpectralDistribution .***
CRI graph	Image file (Select from Jpeg, Bmp	MemoryDataName_ColorRendering . ***
White Balance	or Png format)	MemoryDataName_WhiteBalance . ***
TM-30	1 Hg Ioilliat)	MemoryDataName_TM30 . ***

<sup>\*1</sup> Character code of a CSV format is "with UFT-8 BOM."

The image file extension (\*\*\*) refers to the extension (jpg, bmp, png) of each image format.

<sup>\*2</sup> The "MemoryDataName" refers to the names displayed with red frame in Figure 30 ( ▶ P32).

## 4-2-3 Delete Memory Data

Selected memory data in SPECTROMASTER can be deleted.

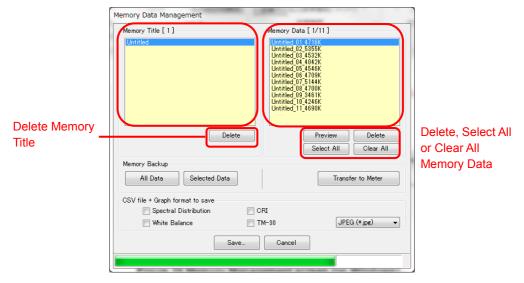


Figure 31 Memory Management screen

#### "Delete" a memory title

By selecting an item in "Memory Title" and clicking the "Delete" button, the selected memory title and all memory data related to the selected title are deleted.

#### "Delete" memory data

By selecting an item in "Memory Data" and clicking the "Delete" button, the selected memory data are deleted. When multiple items in the list are selected, the "Delete" button cannot be clicked.

#### "Select All" memory data

By clicking the "Select All" button, all items in "Memory Data" are selected.

### "Clear all" of memory data

By clicking the "Clear All" button, all items in "Memory Data" are deselected.

## 4-2-4 Backup Memory Data

Memory data in SPECTROMASTER can be backed up on the computer.

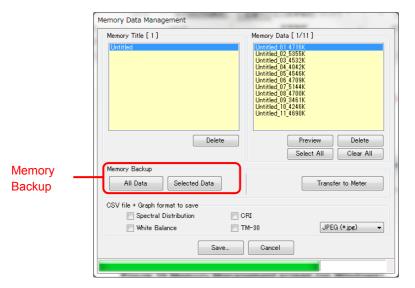


Figure 32 Memory Management screen

#### "All Data" memory backup

By clicking the "All Data" button, all items in SPECTROMASTER can be backed up on the computer.

#### "Selected Data" memory backup

By clicking the "Selected Data" button, selected items SPECTROMASTER can be backed up on the computer.



- When memory data is backed up, you can save backed up data with name, however, you cannot change the name of Memory Title and Memory Data.
- The extension of backup data is ".mem".
- Do not edit the backup data. Otherwise, there is a possibility that you cannot transfer the backup data to SPECTROMASTER.

## 4-2-5 Transfer Backup Data

Back up data on computer can be transferred to SPECTROMASTER.

However, this does not mean memory data in SPECTROMASTER shown on the Memory Management screen is transferred.

By clicking the "Transfer to Meter", Selection of backup data screen appears. Select the file which contains desired memory data, and Memory Transfer screen appears.

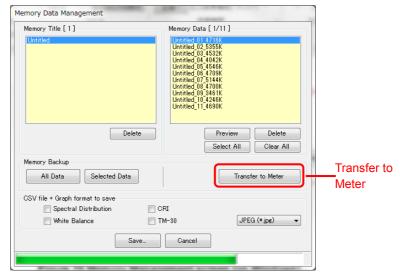


Figure 33 Memory Management screen

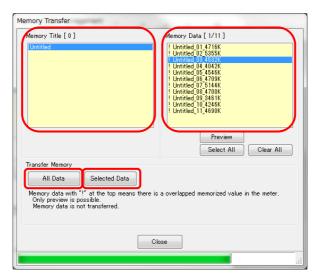


Figure 34 Memory Transfer screen

#### "Preview" backup data

Like the preview of memory data in SPECTROMASTER on Memory Management screen, backup memory data can be previewed. If multiple backup data are selected, "Preview" button is disabled.

#### "Select All" backup data

By clicking the "Select All" button, all items in "Memory Data" are selected.

#### "Clear all" backup data

By clicking the "Clear All" button, all items in "Memory Data" are deselected.

#### Transfer "All Data" to meter

By clicking the "All Data" button, all items of opened backup data are transferred to SPECTROMASTER.

#### Transfer "Selected Data" to meter

By clicking the "Selected Data" button, selected items of opened backup data are transferred to SPECTROMASTER.

If selected backup data has the same memory data in SPECTROMASTER, "!" mark appears at the top of memory data name.

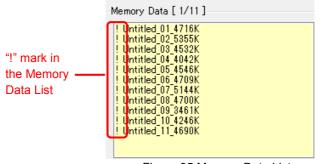


Figure 35 Memory Data List

## NOTICE

- If total number of memory data from backup data and in SPECTROMASTER exceeds 99, transfer of backup data cannot be done. In this case, delete some memory data in SPECTROMASTER or reduce backup memory data to be transferred.
- Do not edit the backup data. Otherwise, there is a possibility that you cannot transfer the backup data to SPECTROMASTER.

## 4-3 Product Setting screen

This screen displays setting items for measurements to be performed by SPECTROMASTER. Clicking the "OK" button after changing any of the setting items sends all of the setting changes in a batch to SPECTROMASTER and brings you back to the Main screen. Clicking the "Cancel" button does nothing but bring you back to the Main screen. (Figure 36)



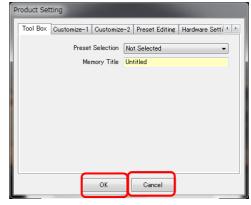


Figure 36 Main screen

Figure 37 Product Setting screen

For contents of the setting items, please refer to the SPECTROMASTER Operating Manual.

Table 5 List of tab names displayed on Product Setting screen

Item	Tab name	Page
Product Setting	Tool Box	→ P39
	Customize-1	<b>→</b> P39
	Customize-2	<b>→</b> P40
	Preset Editing	<b>→</b> P40
	Hardware Setting	<b>→</b> P41
	Initialize	<b>▶</b> P41



 The changed contents are not applied until "OK" button is clicked. In case of changing each setting, make sure to click the "OK" button after screen operation.

## 4-3-1 Product Setting screen

#### 1. Tool Box

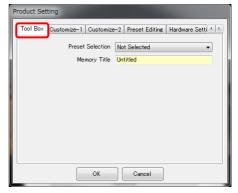


Figure 38 Product Setting / Tool Box

#### 2. Customize-1

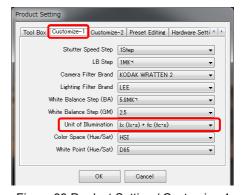


Figure 39 Product Setting / Customize-1



The setting item "Unit of Illumination" is not displayed for SPECTROMASTER models {JT80} that do not use "fc (fc·s)" due to legal regulations in the relevant country. In addition, the inside of ( ) is a unit showing a light exposure for flash light.

#### 3. Customize-2



Figure 40 Product Setting / Customize-2

#### 4. Preset Editing

<Pre><Pre>et Editing>

This tab displays the contents of "Preset No."

To edit the settings, click the "Edit..." button and open the "Preset Editing" dialog.

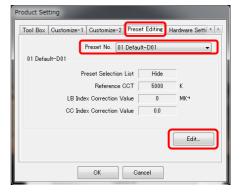


Figure 41 Product Setting / Preset Editing

#### <Pre><Pre>et Editing Dialog>

The contents of selected Preset No. is edited on this dialog. Input each item directly or select the number with up/down button.

To display or not to display in "Preset Selection List" in Tool Box, select "Displayed" or "Hide" in the "Preset Selection List" item on this Preset Editing screen with ▼ pull-down menu (a) (b).

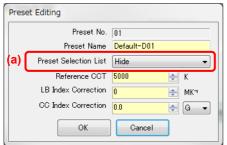




Figure 42 Product Setting / Preset Editing Dialog

The currently selected Preset in "Toolbox" in "Product Setting" cannot be edited and the item of "Preset Selection List" is grayed-out (c). If you want to change to "Hide", please select another Preset in "Toolbox" in "Product Setting" in advance.

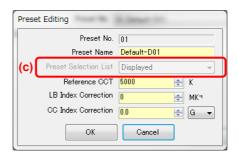


Figure 43 Product Setting / Preset Editing Dialog

#### 5. Hardware Setting



Figure 44 Product Setting / Hardware Setting

#### 6 Initialize

Each of the setting items can be initialized by clicking the "Customize Editing" button shown with (a) or the "Factory Setting" button shown with (b) on this screen.

The contents of initialization varies with the buttons and connected model.

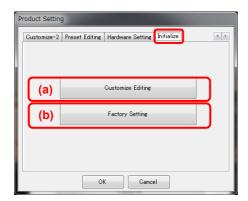


Figure 45 Product Setting / Initialize

| No. | Name   | Contents                                       |  |  |
|-----|--|--|--|--|
| (a) | Customize Editing Initialize the items in "Customize". |  |  |  |
|     | Factory Setting  | All setting items and memory data in the       |  |  |
| (b) |  | SPECTROMASTER are initialized to return to the |  |  |
|     |  | factory default setting.                       |  |  |

#### <Customize Editing>

- 1. Click the "Customize Editing" button, and "Confirmation" screen appears.
- 2. Click the "Yes" button and the contents displayed on the Product Setting screen and values of each setting item for SPECTROMASTER are initialized.

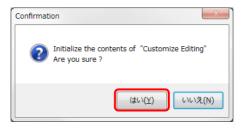


Figure 46 Confirmation screen the "Customize Editing"

Table 6 Contents of initialization

| Item            | Initialization target screen and setting Item |
|-----------------|---|
|                 | Tool Box (Preset Selection)                   |
| Product Setting | Customize-1                                   |
| C               | Customize-2                                   |

#### <Factory Setting>

- 1. Click the "Factory Setting" button, and "Confirmation" screen appears.
- 2. Click the "Yes" button and "Final Confirmation" screen appears.
- 3. Click the "Yes" button and all setting items of SPECTROMASTER are initialized to the factory default settings.



Figure 47 Confirmation screen on the "Factory Setting"

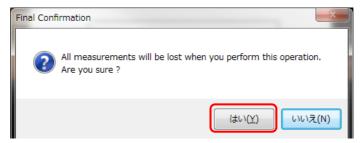


Figure 48 Final Confirmation screen on the "Factory Setting"



 Once clicking the "Yes" button on each Confirmation screen to initialize, it is impossible to return to the previous setting even if clicking the "Cancel" button on the "Product Setting" screen.

#### 4-4 Product Information screen

This screen displays information on the SPECTROMASTER unit. The contents displayed differ according to the SPECTROMASTER information and usage conditions.



Figure 49 Main screen (on Windows)

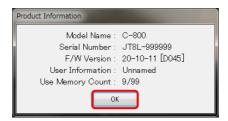


Figure 50 Product Information screen

After confirming the product information, click the "OK" button to return to the Main screen

## 4-5 Screen Capture

The screen currently displayed in the SPECTROMASTER can be captured as the image, and copy on the clipboard or save as the file.



Figure 51 Main screen

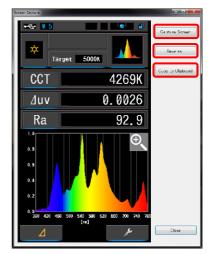


Figure 52 "Screen Capture" screen

| Item    | Name of Button    | Contents  |  |  |
|---------|-------------------|---|--|--|
|         | Capture Screen    | The screen currently displayed in the           |  |  |
|         |                   | SPECTROMASTER can be captured.                  |  |  |
|         | Save as           | Captured screen can be saved as the image file. |  |  |
| Screen  |                   | JPEG (.jpg), BMP (.bmp) and PNG (.png) can be   |  |  |
| Capture |                   | selected as saving format.                      |  |  |
|         | Copy to Clipboard | Captured screen can be copied. Without saving   |  |  |
|         |                   | the image as the file, captured screen can be   |  |  |
|         |                   | pasted in the paint software or Excel.          |  |  |



 "Save as..." or "Copy to Clipboard" button cannot be clicked until "Capture Screen" is completed.

### 4-6 Update screen

On the Update screen, you can compare the version information of each of the following items with the update information listed on our website, and update any of the items you are using to the latest versions:

- C-800 F/W
- C-800 Operating Manual
- C-800 Utility (this software)



To acquire update information, a computer using this software needs to be connected to the Internet and capable of viewing our website (<a href="www.sekonic.co.jp">www.sekonic.co.jp</a>).

If you need to set an HTTP proxy server to use a web browser, click the "4-6-1 Proxy Setting" button to open the "4-6-1 Proxy Setting" setting.

P51) and perform the same setting.

#### 1. Update-1

Versions of installed items are displayed. By clicking the "Next >" button on the "Update-1" screen, the acquisition of the update information is started.

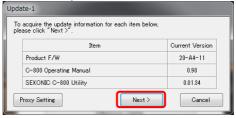


Figure 53 Update-1

Items that are not installed are displayed in grayed-out characters, as shown in the red frames in Figure 54.

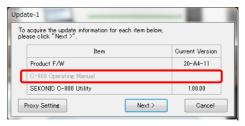


Figure 54 Update-1

#### 2. Update-2

After the acquisition of the update information is completed, click the "Next >" button.



Figure 55 Update-2

#### 3. Update-3

Items that can be updated are displayed. By clicking the "Update >" button, items that are checked are updated.

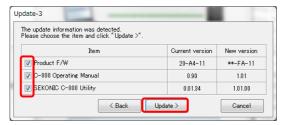


Figure 56 Update-3

Items that do not require updating and item that are not installed are displayed in grayed-out characters, as shown in the red frames in Figure 57, because they are excluded from the updating.

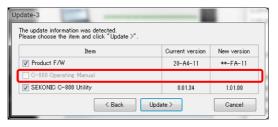


Figure 573 Update-3

#### 4. Update-4

The update information is acquired and the update is performed sequentially for the items that are checked on the "Update-3" screen.

An ongoing acquisition process of the update information can be cancelled by clicking the "Cancel" button.

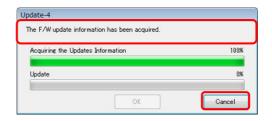


Figure 58 Update-4 (The F/W update information has been acquired)

The "Cancel" button is disabled during the update.

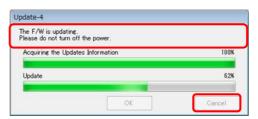


Figure 59 Update-4 (Update)



During the update of the SPECTROMASTER F/W, do not turn off the power to SPECTROMASTER or remove the USB cable. Otherwise, SPECTROMASTER may not work correctly.

After the update of the SPECTROMASTER F/W is completed, the meter is automatically turned off. Turn on the power of SPECTROMASTER to check the status.

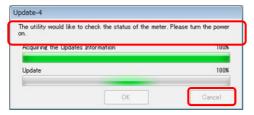


Figure 60 Update-4 (Update)

After the update of all items is completed, click the "OK" button.



Figure 61 Update-4 (The update is complete)

## 4-6-1 Proxy Setting

This screen is used to set a proxy if it is needed for an updating process.

1. When connecting without using a proxy

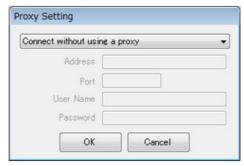


Figure 62 Proxy Setting-1

2. When connecting using the default proxy of the OS (Windows or OS X)

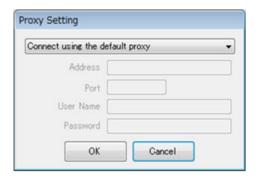


Figure 63 Proxy Setting-2

#### 3. When connecting using a proxy set on this screen

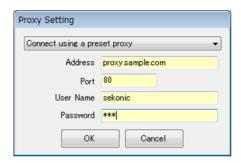


Figure 64 Proxy Setting-3



To change the settings on this screen, restart this application according to the following procedure:

Step 1 Click the "OK" button on this screen to return to the "Update-1" screen.

Step 2 Click the "Cancel" button on the "Update-1" screen to return to the "Main" screen.

Step 3 Restart this application.

# 5. Appendix

## 5-1 Memory data saving formats

For details on memory data, please refer to "4-2 Memory Management screen" ( ightharpoons P24).

Table 7 CSV-format fields

| Field No. | Field content                | Remarks                                    |
|-----------|------------------------------|--|
| 1         | Date Saved                   |  |
| 2         | Title                        | Memory data name                           |
| 3         | -                            | Blank                                      |
| 4         | Measuring Mode               |  |
| 5         | Color Space/White Point      |  |
| 6         | CCT [K]                      |  |
| 7         | Δυν                          |  |
| 8         | Illuminance (Exposure)-1     | Please refer to "Table 3" ( ➡ P35)         |
| 9         | lluminance (Exposure)-2      | Thease refer to Table 3 ( \$\infty\$ 1 33) |
| 10        | Target CCT [K]               |  |
| 11        | LB Index [MK <sup>-1</sup> ] |  |
| 12        | LB Camera Filter             |  |
| 13        | LB Lighting Filter           |  |
| 14        | CC Index [M]/[G]             |  |
| 15        | CC Camera Filter             |  |
| 16        | CC Lighting Filter           |  |
| 17        | CRI Ra                       |  |
| 18        | CRI R1                       |  |
| ~         | -                            |  |
| 31        | CRI R14                      |  |
| 32        | CRI R15                      |  |
| 33        | TM-30 Rf                     |  |
| 34        | TM-30 Rg                     |  |
| 35        | SSIt                         |  |
| 36        | SSId                         |  |
| 37        | SSI1                         |  |
| 38        | SSI2                         |  |
| 39        | TLCI                         |  |
| 40        | TLMF                         |  |
| 41        | CIE1931 x                    |  |
| 42        | CIE1931 y                    |  |
| 43        | Hue                          |  |
| 44        | Saturation                   |  |

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JT8L97611

January 2019