



Software Guide
of “C-4000 Utility”
for C-4000 SPECTROMETER

To customers:

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

1. Important notices

To customers: Please be sure to read the information below before use.

Thank you for purchasing our "C-4000 SPECTROMETER."

Please read the following usage conditions carefully before using this product.

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- (b) supplements,
- (c) documents, and
- (d) software guide

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7. GOVERNING LAW

This Agreement shall be governed by the laws of Japan.

8. SEVERABILITY

In the event that any part or parts of this agreement shall be held illegal or null and void by any court or administrative body of competent jurisdiction, such determination shall not effect the remaining parts of this agreement and they shall remain in full force and effect as if such part or parts determined illegal or void had not been included.

YOU ACKNOWLEDGE THAT YOU HAVE READ THIS AGREEMENT, UNDERSTAND IT, AND AGREE TO BE BOUND BY ITS TERMS AND CONDITIONS. NEITHER PARTY SHALL BE BOUND BY ANY OTHER STATEMENTS OR REPRESENTATIONS THAT ARE INCONSISTENT WITH THE TERMS AND CONDITIONS OF THIS AGREEMENT. NO AMENDMENT TO THIS AGREEMENT IS EFFECTIVE UNLESS WRITTEN AND SIGNED BY PROPERLY AUTHORIZED REPRESENTATIVES OF EACH PARTY. BY INSTALLING OR USING THE SOFTWARE YOU AGREE TO ACCEPT THE TERMS OF THIS AGREEMENT.

JT109761-G_en-01

Introduction

This is a software guide for our “C-4000 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.

About trademarks

- 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 macOS 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.

2. Cautions for proper and safe use

Please be sure to read this “Cautions for proper and safe use” carefully before using this product, and use the product properly.

 CAUTION	The CAUTION symbol indicates the possibility of death or serious injury 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.
	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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4. Major functions

This software is equipped with the following functions to support the “C-4000 SPECTROMETER” (hereafter referred to as “SPECTROMETER”):

- Updating the SPECTROMETER firmware (hereafter referred to as “F/W”), Operating Manual and this software

Models compatible with this software are as follows:

- C-4000



- Please use the application “SEKONIC LD” on your smartphone or tablet to display numerical and graphical results and save files. (Some functions are available in the paid version.)

For details, please refer to the following page.

URL : <https://sekonic.com/sekonic-c-4000-spectrometer/>



5. Supported OS and installation procedures

5.1. Supported OS

Table 1 Supported OS

Software	Supported OS	
Windows	Windows10 Windows11	Supports both 32-bit (Windows 10 Only) and 64-bit versions for each OS.
Macintosh	macOS 12 macOS 13 macOS 14	Supports only 64-bit versions for each OS.

5.2. How to install this software (on Windows)

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

URL: <https://sekonic.com/sekonic-c-4000-spectrometer/>

Double-click “SetupC4000Utility_en.msi” downloaded from the above download site.

Click the “Next” button according to the installer instructions and proceed through the installation process.

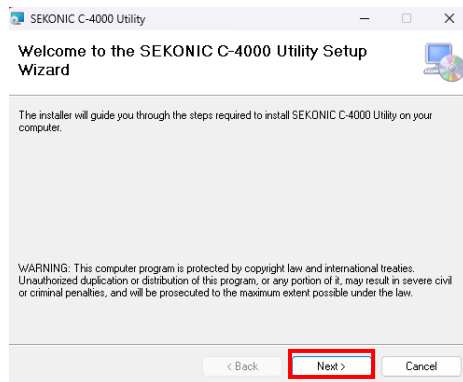


Figure 1 Installer

To install the manual, double-click “SetupC4000Manual_en.msi” downloaded from the above download site.

Click the “Next” button according to the installer instructions and proceed through the installation process.

5.3. How to uninstall this software (from Windows)

Open the Control Panel, select “Apps and Features” in “Apps”, search for “SEKONIC C-4000”, and uninstall “SEKONIC C-4000 Utilities” and “SEKONIC C-4000 Operating Manual(only when installed)”.

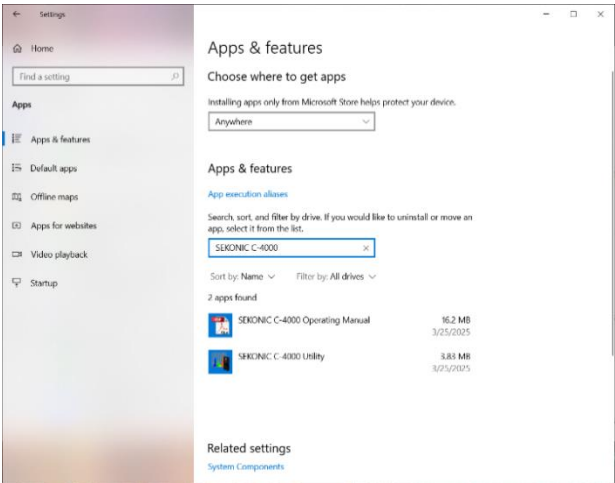


Figure 2 Uninstall a program

Select the item to uninstall and click “Uninstall.”

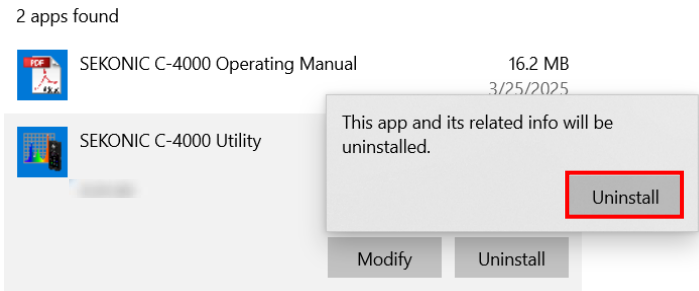


Figure 3 Uninstallation confirmation screen

Click “Uninstall” on the confirmation screen to start and complete the uninstallation.

5.4. How to install this software (on Macintosh)

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

URL: <https://sekonic.com/sekonic-c-4000-spectrometer/>

Double-click “SetupC4000Utility.pkg” downloaded from the above download site.

Click the “Continue” button according to the installer instructions and proceed through the installation process.

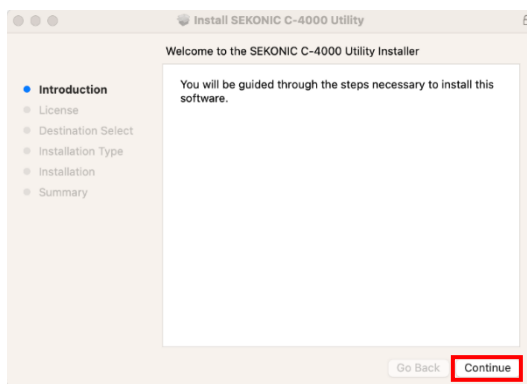


Figure 4 Installer screen on Macintosh

To install the manual, double-click “SetupC4000Manual.pkg” downloaded from the above download site.

Click the “Continue” button according to the installer instructions and proceed through the installation process.

5.5. How to uninstall this software (from Macintosh)

Open the “SEKONIC” folder in the “Application” folder. In the “SEKONIC” folder, open “C-4000”, then open “Uninstaller” and double-click “UninstallC4000Utility.”

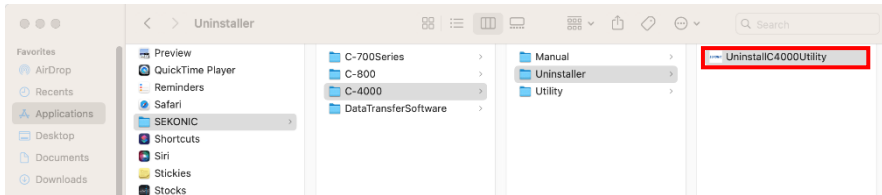


Figure 5 Application folder



Figure 6 UninstallC4000Utility icon

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

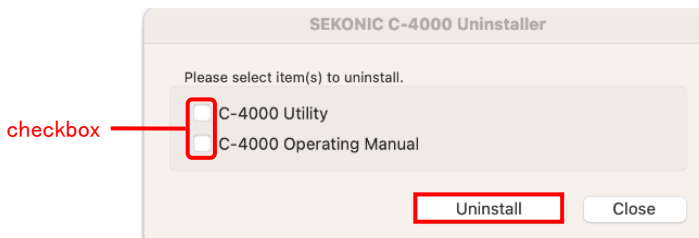


Figure 7 Uninstaller screen

If all items have been uninstalled and “UninstallC4000Utility” has become unnecessary, open the “SEKONIC” folder in the “Application” folder, select the “C-4000” folder and drag and drop it into “Trash.”

6. Connecting to SPECTROMETER

6.1. How to connect to SPECTROMETER

NOTICE

- Please prepare a USB cable before using this software.
- USB cables are not supplied with this product. 【C-4000】
- Please use a USB A plug to C plug cable or USB(C) plug to USB(C) plug cable.
- Please use the USB cable for communication. Charging-only cables cannot be connected to the SPECTROMETER.

1. Connect the USB cable to the computer.
2. Check that the power to SPECTROMETER is turned off.
3. Connect the USB cable to SPECTROMETER.
4. Turn on the power of SPECTROMETER.
5. Start this software.

When connection to SPECTROMETER is completed, a screen as shown in Figure 8 appears.

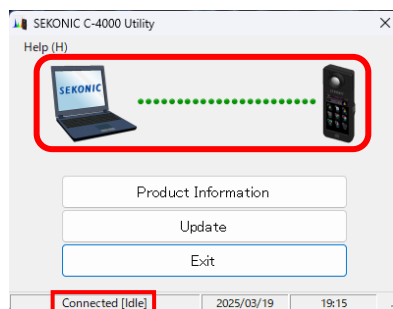


Figure 8 Connection status (idling)

NOTICE

- If the process shown in Section “6.1 How to connect to SPECTROMETER” is not followed, communication errors may occur.
- When this software is in operation, do not remove the USB cable with the SPECTROMETER 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 SPECTROMETER power is not turned on, a screen as shown in Figure 9 appears.

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

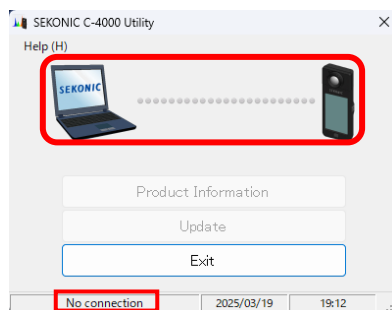


Figure 9 Unconnected status

If SPECTROMETER is in connection but the meter is in operation or it shows error, screens as shown in to Figure 10, Figure 11 may appear. In that case, please wait until measurement or dark calibration is finished and then operate this software.

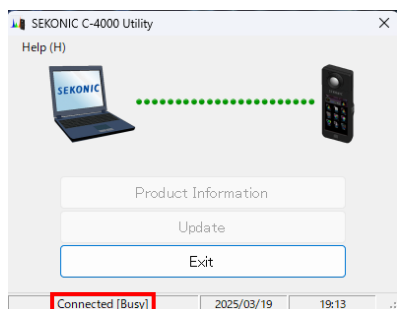


Figure 10 Connection status (busy)

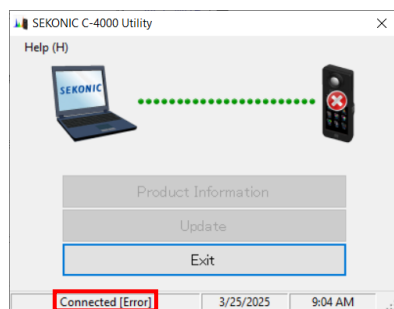


Figure 11 Connection status (error)



- If any of the screens shown in Figure 10 to Figure 11 appears, or if a communication error has occurred, please exit this software. Then reconnect the USB cable and restart this software according to the procedures shown in Section “6.1 How to connect to SPECTROMETER”. (➡ Page 14)

6.2. How to disconnect from SPECTROMETER

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

7. Operation on each screen

7.1. Main screen

A main menu as shown in Figure 12 or Figure 13 appears after starting this software according to the procedures shown in Section “6.1How to connect to SPECTROMETER”.

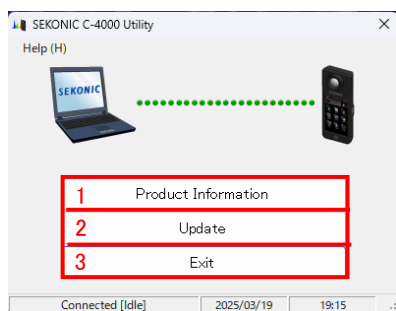


Figure 12 Main screen (on Windows)



Figure 13 Main screen (on Macintosh)

1. “Product Information” button
Displays the “7.2 Product Information screen” (➡ Page 20).
2. “Update” button
Displays the “7.3 Update screen” (➡ Page 21).
3. “Exit” button
Exits this software.

NOTICE

- While the screen of “Product Information” or “Update” appears, you cannot operate SPECTROMETER. If you want to operate SPECTROMETER with USB bus power, exit this software and then operate SPECTROMETER.

7.1.1. Menus

“Software Guide” and “About This Utility” are available here.

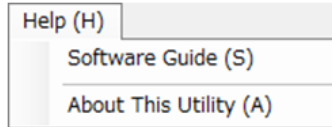


Figure 14 Menu (on Windows)

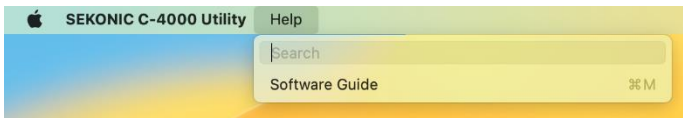
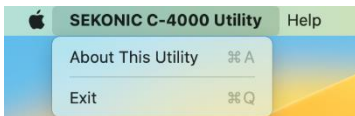


Figure 15 Menu (on Macintosh)

1. “Software Guide”

This displays the Software Guide (this document) for this software.

2. “About This Utility”

This displays the “7.1.2 About This Utility screen” (➡ Page 19).



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

7.1.2. 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.

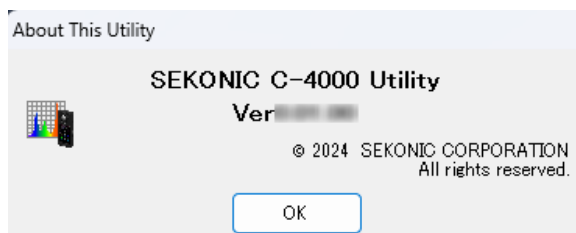


Figure 16 About This Utility screen (on Windows)

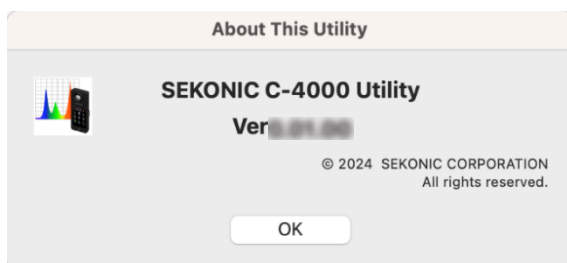


Figure 17 About This Utility screen (on Macintosh)

After confirming the information, click the “OK” button to return to the Main screen.

7.2. Product Information screen

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

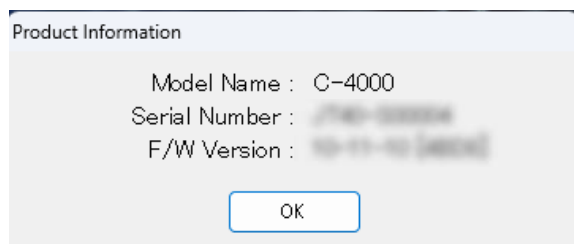


Figure 18 Product Information screen

7.3. 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-4000 F/W
- C-4000 Operating Manual
- C-4000Utility (this software)



- To acquire update information, a computer using this software needs to be connected to the Internet and capable of viewing our website (www.sekonic.com).
If you need to set an HTTP proxy server to use a web browser, click the “Proxy Setting” button to open the “7.3.1 Proxy Setting” screen (➡ Page 26) and perform the same setting.

1. Update-1

Versions of installed items are displayed. Items that are not installed are displayed in grayed-out characters, as shown in the red frames in Figure 20.

By clicking the “Next >” button on the “Update-1” screen, the acquisition of the update information is started.

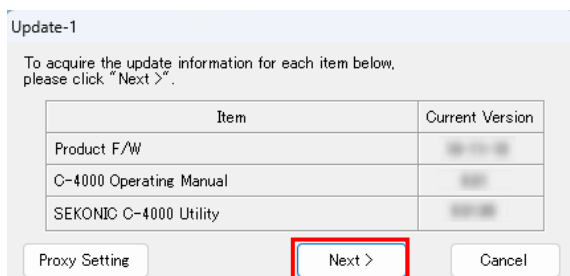


Figure 19 Update-1

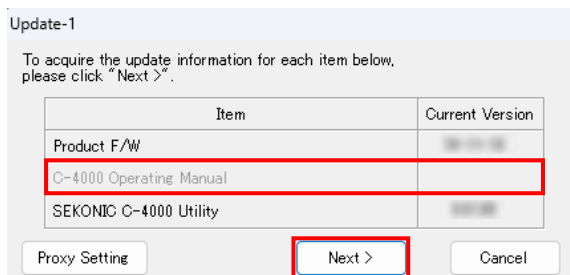


Figure 20 Update-1

2. Update-2

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

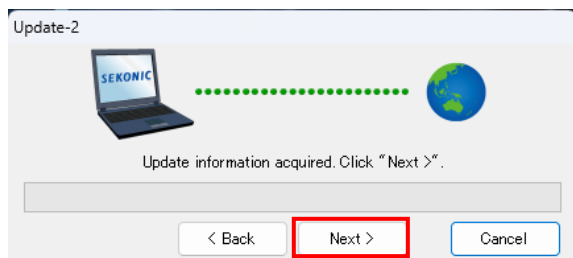


Figure 21 Update-2

3. Update-3

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

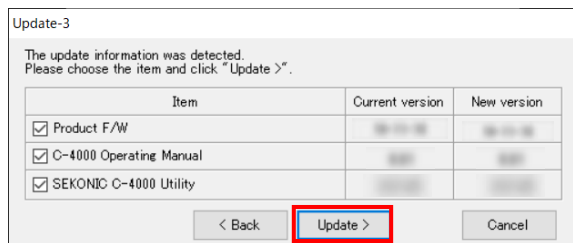


Figure 22 Update-3

Items that do not require updating and items that are not installed are displayed in grayed-out characters, as shown in the red frames in Figure 20 because they are excluded from the updating.

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.

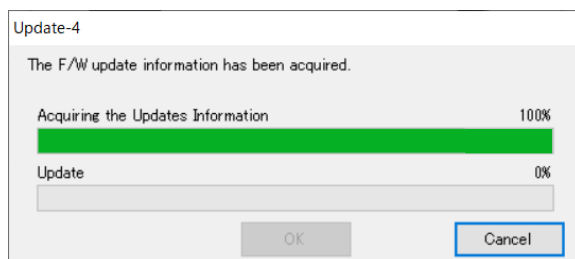


Figure 23 Update-4 (The F/W update information has been acquired)

The “Cancel” button is disabled during the update.

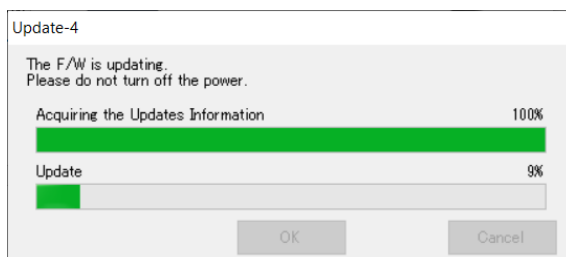


Figure 24 Update-4 (Update)

CAUTION

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

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

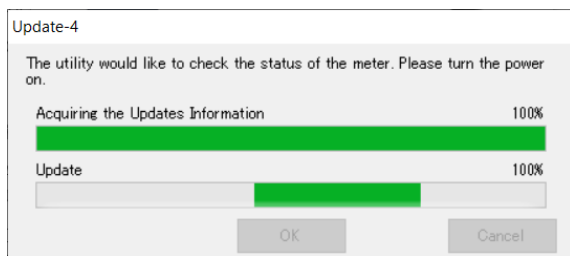


Figure 25 Update-4 (Update)

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

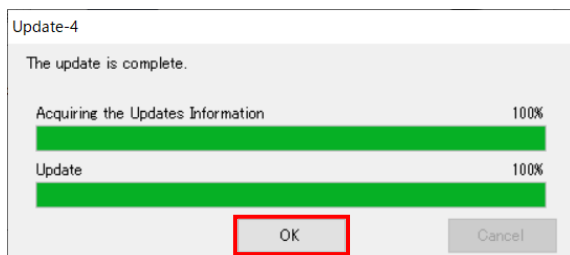
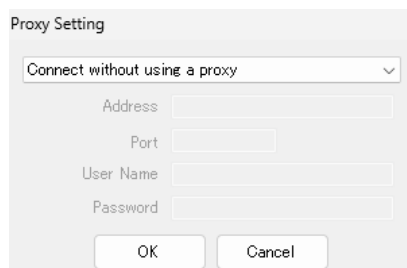


Figure 26 Update-4 (The update is complete)

7.3.1. Proxy Setting

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

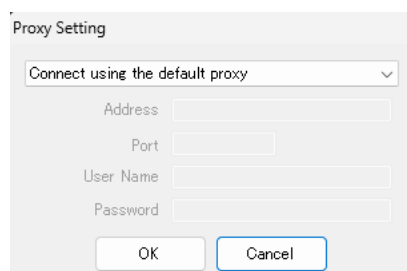
1. When connecting without using a proxy



The image shows a 'Proxy Setting' dialog box. At the top, there is a dropdown menu with the text 'Connect without using a proxy' and a downward arrow. Below this, there are four input fields labeled 'Address', 'Port', 'User Name', and 'Password'. At the bottom, there are two buttons: 'OK' and 'Cancel'.

Figure 27 Proxy Setting-1

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



The image shows a 'Proxy Setting' dialog box. At the top, there is a dropdown menu with the text 'Connect using the default proxy' and a downward arrow. Below this, there are four input fields labeled 'Address', 'Port', 'User Name', and 'Password'. At the bottom, there are two buttons: 'OK' and 'Cancel'.

Figure 28 Proxy Setting-2

3. When connecting using a proxy set on this screen

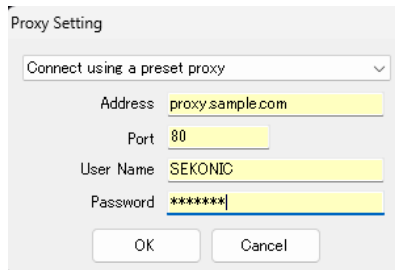
A screenshot of a 'Proxy Setting' dialog box. At the top, there is a dropdown menu with the text 'Connect using a preset proxy'. Below this are four input fields: 'Address' with the value 'proxy.sample.com', 'Port' with the value '80', 'User Name' with the value 'SEKONIC', and 'Password' with the value '*****'. At the bottom of the dialog are two buttons: 'OK' and 'Cancel'.

Figure 29 Proxy Setting-3

 NOTICE

- When you 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.

SEKONIC CORPORATION

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