



SII Printer Setting Utility for Windows User's Guide

Rev.01

[Products]

MP-B21L Series

MP-B30L Series

MP-B30 Series

MP-B20 Series

MP-A40 Series

RP-F10 Series

RP-G10 Series

RP-E10 Series

CAP06 Series

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Introduction

This manual describes "SII Printer Setting Utility for Windows" (hereinafter referred to as the "software") provided by Seiko Instruments Inc. (hereinafter referred to as "SII").

Notation in This Manual

The notation in this manual is described.

Operation and Display

In principle, this manual is written on the basis of the following conditions:

- Screenshots and display layouts of Windows 10
- Operating instructions with a mouse and a keyboard

Terms

The terms used in this manual are defined as below.

Term	Description
Printer name	Friendly name which is displayed in the Printer Folder and can be changed by users
Driver name	Unique model name for identifying the printer driver
Printer Folder	Folder displayed by the following operations: [Devices and Printers] folder displayed by selecting [Control Panel] => [Hardware and Sound] => [Devices and Printers]

Term	Description
Technical Reference	<p>Technical References shown as follows:</p> <ul style="list-style-type: none"> • MP-B21L SERIES THERMAL PRINTER TECHNICAL REFERENCE • MP-B30L SERIES THERMAL PRINTER TECHNICAL REFERENCE • MP-B30 SERIES THERMAL PRINTER TECHNICAL REFERENCE • MP-B20 SERIES THERMAL PRINTER TECHNICAL REFERENCE • MP-A40 SERIES THERMAL PRINTER TECHNICAL REFERENCE • RP-F10 SERIES THERMAL PRINTER TECHNICAL REFERENCE • RP-G10 SERIES THERMAL PRINTER TECHNICAL REFERENCE • RP-E10 SERIES THERMAL PRINTER TECHNICAL REFERENCE • PT06-57SU-01 (CPU) CGJG-02 (CG ROM) CAP06-x47 SERIES CONTROL CHIP SET TECHNICAL REFERENCE • IF06-7S-01/IF06-7U-01 INTERFACE BOARD TECHNICAL REFERENCE • PT06-57SU-01 (CPU) CGJG-02 (CG ROM) CAP06-245 SERIES CONTROL CHIP SET TECHNICAL REFERENCE • IF06-5S-01/IF06-5U-01 INTERFACE BOARD TECHNICAL REFERENCE
Printer command	Instruction to control the printer, described in "Technical Reference".
Test print command	<p>Instruction to execute the test print in this software.</p> <p>Command group to be entered in the [Command List] of [Test Print] screen.</p>
User's Guide	<p>User's Guides shown as follows:</p> <ul style="list-style-type: none"> • MP-B21L SERIES Thermal Printer USER'S GUIDE • MP-B30L SERIES Thermal Printer USER'S GUIDE • MP-B30 SERIES Thermal Printer USER'S GUIDE • MP-B20 SERIES Thermal Printer USER'S GUIDE • MP-A40 SERIES Thermal Printer USER'S GUIDE • RP-F10 SERIES Thermal Printer USER'S GUIDE • RP-G10 SERIES Thermal Printer USER'S GUIDE • RP-E10 SERIES Thermal Printer USER'S GUIDE
Memory switch	Feature for [Function Settings] described in "Technical Reference" or "User's Guide".
NV image	Image data registered in the NV memory (non-volatile memory) in the printer.
IPD*1 font	<p>Generic name of the following fonts specific to this software.</p> <ul style="list-style-type: none"> • Device font Font installed in the printer • Barcode font Special font for printing barcodes on the printer • 2D-Barcode font Special font for printing two-dimensional barcodes on the printer • Control font Special font for using pre-registered printer commands • Control A font Special font for using printer commands registered by the user
Maintenance counter	Maintenance counter value which can be retrieved by the printer command.
Printer status	Response retrieved by the printer command "Automatic Status Back Enable/Disable". For details of response, see "List of Status".
Dot	<p>A unit that configures the print.</p> <p>Prints with dot density of 8 dots per 1 mm.</p>

*1 : Integrated Printer Driver

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Chapter 1 Overview

This chapter describes the overview of this software.

This software is for confirming and setting various information of the printer.

1.1 Target Products

The products covered by this software are as follows.

Printer	Printer Driver
MP-B21L series MP-B30L series MP-B30 series MP-B20 series MP-A40 series RP-F10 series RP-G10 series RP-E10 series CAP06 series	SII Printer Driver for Windows

1.2 Operating Conditions

The operating conditions of this software basically follow the operating environment of the printer driver, and the settings and limitations of the printer. For details of the operating environment of the printer driver, see "SII Printer Driver for Windows User's Guide".

Chapter 2 Installation

For the installation, see "SII Software Package for Windows Installation Guide".

Chapter 3 Method of Operation

This chapter describes the function of the software.

Caution

- ◆ The [Printer Properties] screen cannot be operated while the software is being activated.

3.1 Screen Layout

The screen layout of the software is described.

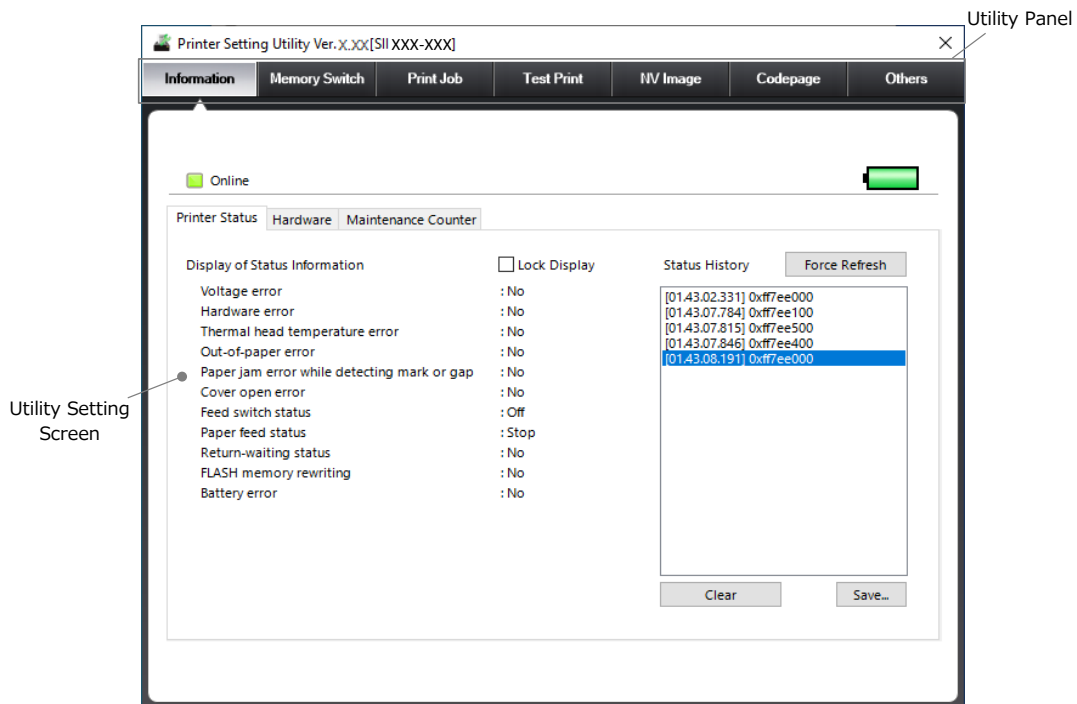


Figure 3-1 Utility Setting Screen

3.1.1 Utility Panel

Various functions are displayed in the utility panel. By clicking the name of each function, you can move to other functions. See "3.2 Functions" for details of each function.

Item	Description
Information	Displays various information of the printer.
Memory Switch	Sets the memory switches.
Print Job	Sets the print data output per job.
Test Print	Executes the test print with arbitrary content.
NV Image	Edits and registers the image data to be used for logos or watermarks, or manages the registered NV images.
Codepage	Edits and registers the font data on the user page of the character code table, or manages the registered codepages.
Others	Exports the settings of this software to a file, or imports an exported file.

3.1.2 Utility Setting Screen

Information display or setting of each function can be performed. See "3.2 Functions" for details of each function.

3.2 Functions

The functions of the software are described.

3.2.1 Information

Displays various information of the printer.

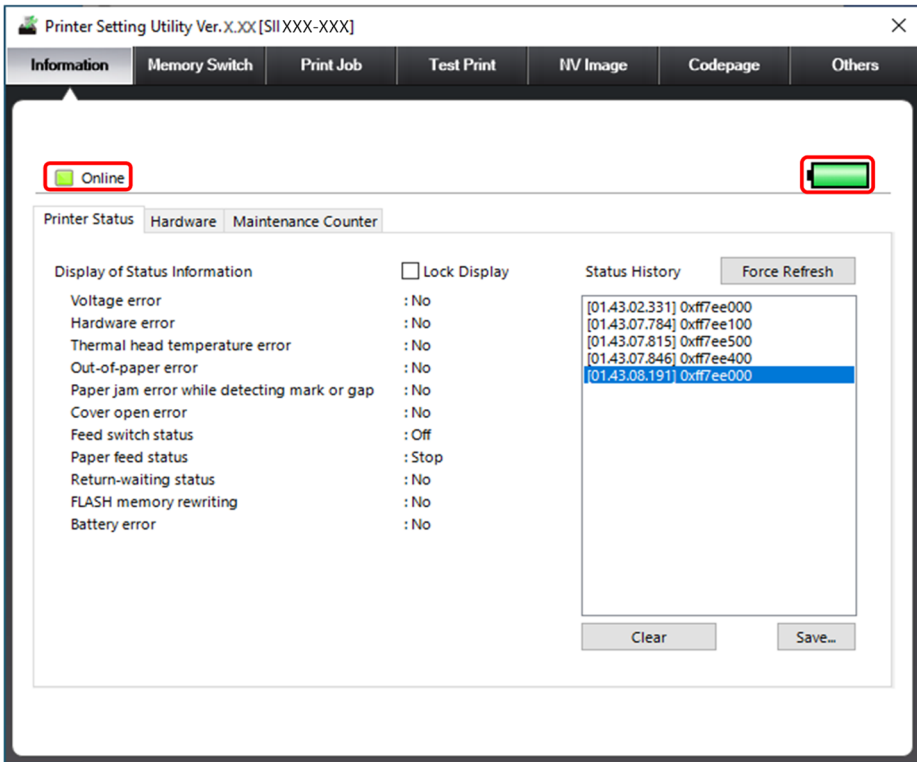


Figure 3-2 [Information] Screen (Example)

Item	Description
Connection state	Displays the connection state with the printer. Online (Indicator: green) Offline (Indicator: gray)
MP-B21L, MP-B30L, MP-B30, MP-B20, MP-A40	
Battery status	Displays the battery remaining capacity level. When the battery is Full, this entire indicator is displayed in green. As the battery remaining capacity is decreased, this green part in the indicator is reduced.

Display of Printer Status

Select the [Printer Status] tab in the [Information] screen and display the screen below.

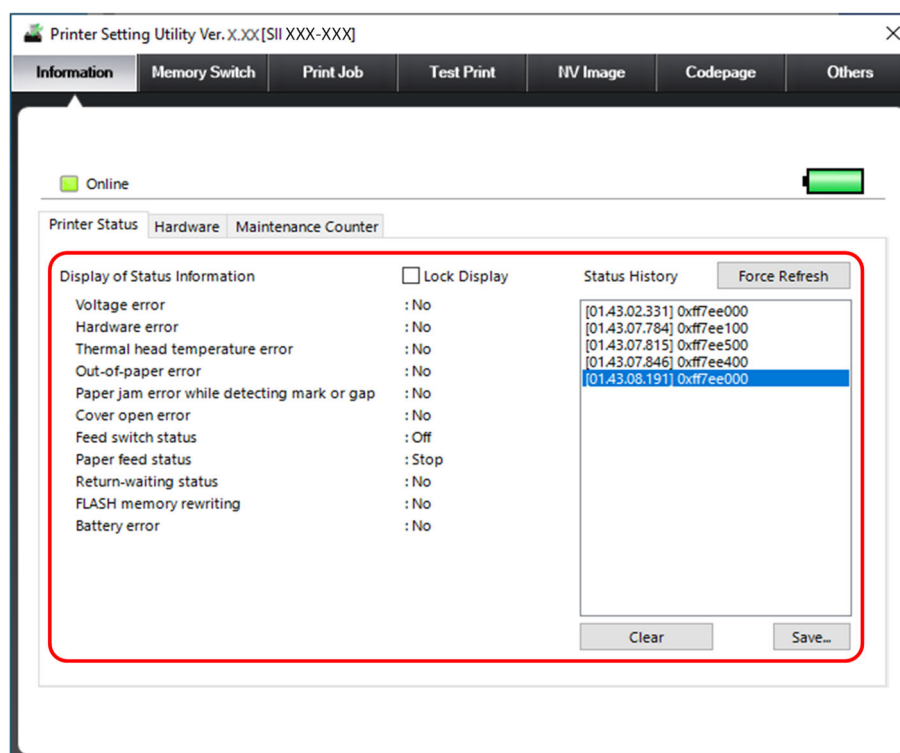


Figure 3-3 [Printer Status] Screen (Example)

Item	Description
Display of Status Information	Displays the printer status information. Displays the status information selected in [Status History]. When information cannot be obtained from the printer, "-" is displayed in the status area. For the status of the target products, see "List of Status".
Lock Display	Used to select whether to lock the selection state of [Status History]. When [Status History] is blank, the operation cannot be performed. When the checkbox is off <ul style="list-style-type: none"> The latest printer status is always selected in [Status History], and every time the printer status changes, [Status History] automatically scrolls. When the checkbox is on <ul style="list-style-type: none"> Even when the printer status changes, the information is not updated and [Status History] does not automatically scroll.
Status History	Displays the status information of the printer status in a list. <ul style="list-style-type: none"> Response time: [hh.mm.ss.fff] (hour: 00 to 23, minute: 00 to 59, second: 00.000 to 59.999) Response content: The printer status is displayed in hexadecimal (32 bits) A maximum of 100 history items can be displayed in [Status History (H)]. After that, the oldest one is deleted. For more information about status, see "List of Status"

Item	Description
Clear	Clears all status information displayed in [Status History]. When [Status History] is blank, the operation cannot be performed.
Force Refresh	Issues the printer command to forcibly get the printer status. When the retrieved printer status is the same as the most recent retrieved printer status, the display is not updated.
Save...	Saves the data of [Status History] as a text file (*.csv). When [Status History] is blank, the operation cannot be performed. The printer status history that is to be saved is the content of [Status History] at the time the [Save...] button is clicked. Printer status responses after this point are not reflected in the saved file.

List of Status

The following corresponding bits are displayed as a hexadecimal (32 bits) format in [Status History]. An retrievable response value can be found by adding the following values. However, all bits turn 0 for disconnection or communication error, and other status data is ignored. The values not described above are reserved.

Status history can be saved as a text file. For saving, see "Saving Status History".

•MP-B21L, MP-B30L, MP-B30

Status	Corresponding Bit	Description
Voltage error	0x00000001	0: No (No error) 1: Yes (Error)
Hardware error	0x00000002	0: No (No error) 1: Yes (Error)
Head temperature error	0x00000004	0: No (No error) 1: Yes (Error)
Out-of-paper error	0x00000010	0: No (No error) 1: Yes (Error)
◆MP-B21L, MP-B30L Paper jam error while detecting mark or gap ◆MP-B30 Paper jam error while detecting mark	0x00000040	0: No (No error) 1: Yes (Error)
Cover open error	0x00000080	0: No (No error) 1: Yes (Error)
Feed switch status	0x00000100	0: Off 1: On
Paper feed status	0x00000400	0: Stop 1: Operating
Return-waiting status	0x00000800	0: No 1: Yes (In return-waiting state)

Status	Corresponding Bit	Description
FLASH memory rewriting	0x00010000	0: No 1: Yes (Rewriting)
Remaining battery capacity level	0x00700000	0: No battery 1: Low (Approx. 10%) 2: Middle (Approx. 40%) 3: Full (Approx. 80%)
Battery error	0x00800000	0: No (No error) 1: Yes (Error)

•MP-B20

Status	Corresponding Bit	Description
Voltage error	0x00000001	0: No (No error) 1: Yes (Error)
Hardware error	0x00000002	0: No (No error) 1: Yes (Error)
Head temperature error	0x00000004	0: No (No error) 1: Yes (Error)
Out-of-paper error	0x00000010	0: No (No error) 1: Yes (Error)
Feed switch status	0x00000100	0: Off 1: On
Paper feed status	0x00000400	0: Stop 1: Operating
Return-waiting status	0x00000800	0: No 1: Yes (In return-waiting state)
FLASH memory rewriting	0x00010000	0: No 1: Yes (Rewriting)
Remaining battery capacity level	0x00700000	0: No battery 1: Low (Approx. 10%) 3: Middle (Approx. 40%) 7: Full (Approx. 80%)
Battery error	0x00800000	0: No (No error) 1: Yes (Error)

•MP-A40

Status	Corresponding Bit	Description
Voltage error	0x00000001	0: No (No error) 1: Yes (Error)
Hardware error	0x00000002	0: No (No error) 1: Yes (Error)
Head temperature error	0x00000004	0: No (No error) 1: Yes (Error)
Out-of-paper error	0x00000010	0: No (No error) 1: Yes (Error)
Paper jam error while detecting mark	0x00000040	0: No (No error) 1: Yes (Error)
Cover open error	0x00000080	0: No (No error) 1: Yes (Error)
Feed switch status	0x00000100	0: Off 1: On
Paper feed status	0x00000400	0: Stop 1: Operating
Return-waiting status	0x00000800	0: No 1: Yes (In return-waiting state)
FLASH memory rewriting	0x00010000	0: No 1: Yes (Rewriting)
Remaining battery capacity level	0x00700000	0: No battery 1: Low (Approx. 10%) 3: Middle (Approx. 40%) 7: Full (Approx. 80%)
Battery error	0x00800000	0: No (No error) 1: Yes (Error)

•RP-F10, RP-G10

Status	Corresponding Bit	Description
Voltage error	0x00000001	0: No (No error) 1: Yes (Error)
Hardware error	0x00000002	0: No (No error) 1: Yes (Error)
Head temperature error	0x00000004	0: No (No error) 1: Yes (Error)
Autocutter error	0x00000008	0: No (No error) 1: Yes (Error)
Out-of-paper error	0x00000010	0: No (No error) 1: Yes (Error)
Cover open error	0x00000080	0: No (No error) 1: Yes (Error)
Feed switch status	0x00000100	0: Off 1: On
Paper feed status	0x00000400	0: Stop 1: Operating
Return-waiting status	0x00000800	0: No 1: Yes (In return-waiting state)
Drawer switch input status	0x00008000	0: Low 1: High
FLASH memory rewriting	0x00010000	0: No 1: Yes (Rewriting)

•RP-E10

Status	Corresponding Bit	Description
Voltage error	0x00000001	0: No (No error) 1: Yes (Error)
Head error / Voltage initialization error	0x00000002	0: No (No error) 1: Yes (Error)
Head temperature error	0x00000004	0: No (No error) 1: Yes (Error)
Autocutter error	0x00000008	0: No (No error) 1: Yes (Error)
Out-of-paper error	0x00000010	0: No (No error) 1: Yes (Error)
Paper-near-end	0x00000020	0: No (No paper-near-end) 1: Yes (Paper-near-end)
Paper jam error while detecting mark	0x00000040	0: No (No error) 1: Yes (Error)
Cover open error	0x00000080	0: No (No error) 1: Yes (Error)
Feed switch status	0x00000100	0: Off 1: On
Printing	0x00000400	0: Stop 1: Operating
Return-waiting status	0x00000800	0: No 1: Yes (In return-waiting state)
Drawer sensor status	0x00008000	0: Low 1: High
FLASH memory rewriting	0x00010000	0: No 1: Yes (Rewriting)
Peripheral device selection	0x00020000	0: Printer 1: Other

•CAP06

Status	Corresponding Bit	Description
Voltage error	0x00000001	0: No (No error) 1: Yes (Error)
Hardware error	0x00000002	0: No (No error) 1: Yes (Error)
Head temperature error	0x00000004	0: No (No error) 1: Yes (Error)
Autocutter error	0x00000008	0: No (No error) 1: Yes (Error)
Out-of-paper error	0x00000010	0: No (No error) 1: Yes (Error)
Paper-near-end detection	0x00000020	0: No (No paper-near-end) 1: Yes (Paper-near-end)
Paper jam error while detecting mark	0x00000040	0: No (No error) 1: Yes (Error)
Platen open error	0x00000080	0: No (No error) 1: Yes (Error)
Feed switch status	0x00000100	0: Off 1: On
Paper feed status	0x00000400	0: Stop 1: Operating
Return-waiting status	0x00000800	0: No 1: Yes (In return-waiting state)
Drawer switch input status	0x00008000	0: Low 1: High*1
Rewriting FLASH memory	0x00010000	0: No 1: Yes (Rewriting)
CG font status	0x00040000	0: Yes (Available) 1: No (Not available)

*1: CAP06-245 is fixed at "High".

Saving Status History

The procedure for saving the status history as a text file is described below.

1. Click the [Save...] button in the [Printer Status] screen.
2. Specify the location and file name to save the file in the [Save As] dialog.
3. Click the [Save] button in the [Save As] dialog.

Display of Hardware

Select the [Hardware] tab in the [Information] screen and display the following screen.

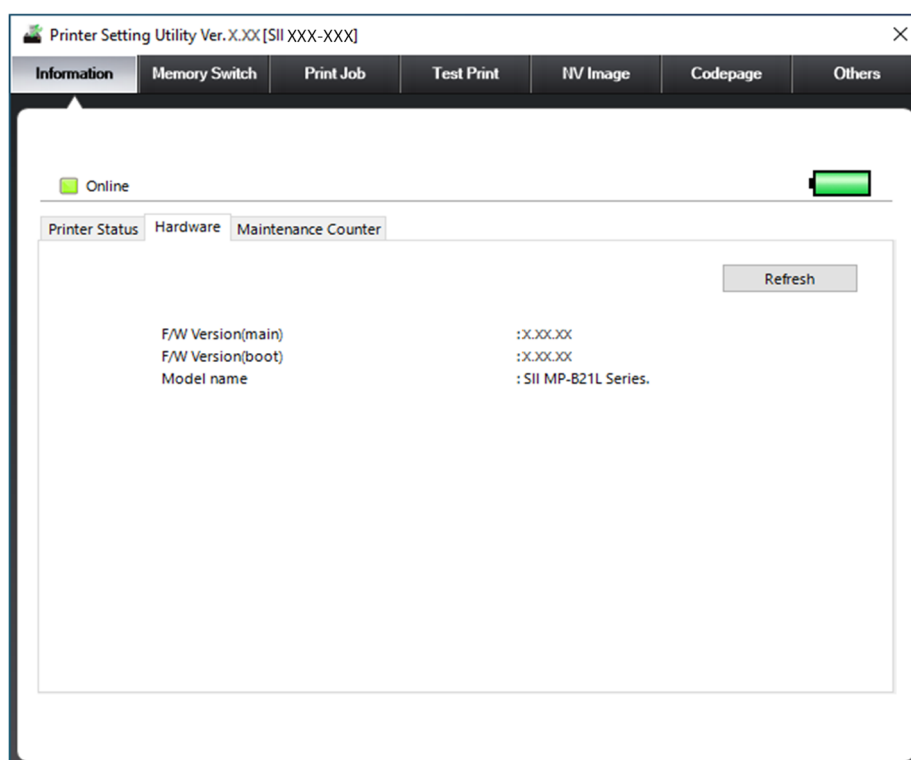


Figure 3-4 [Hardware] Screen

Item	Description
Hardware	Displays the following hardware information retrieved from the printer. <ul style="list-style-type: none">• F/W Version(main)• F/W Version(boot)• Model name
Refresh	Gets the hardware information from the printer again.

Display of Maintenance Counter

Select the [Maintenance Counter] tab in the [Information] screen and display the screen below.

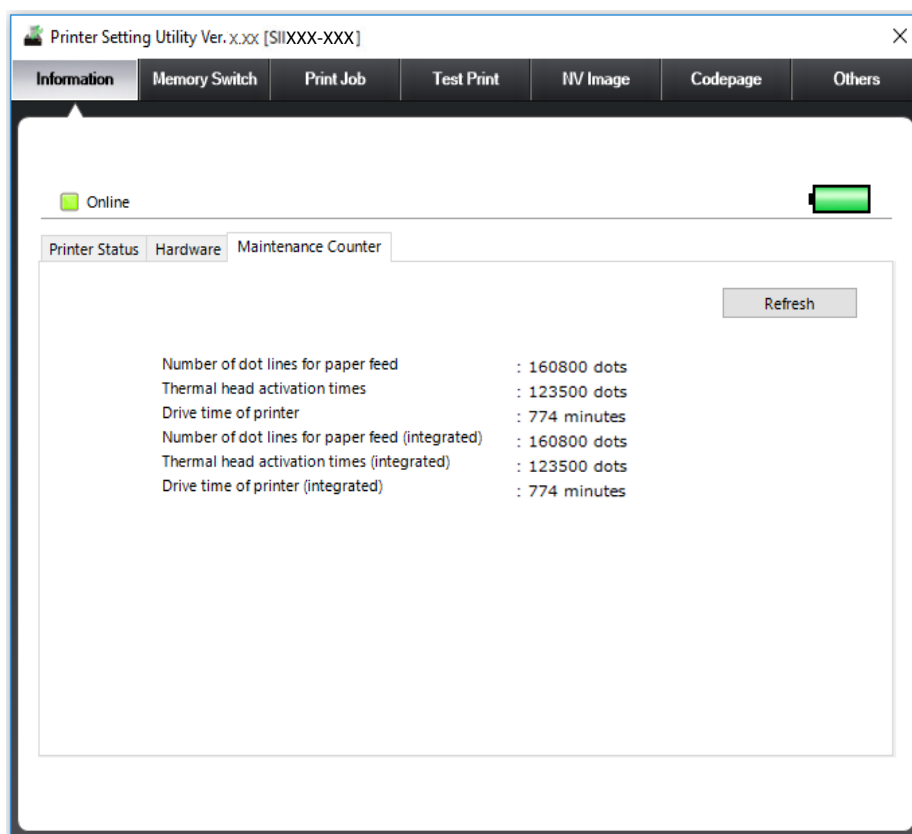


Figure 3-5 [Maintenance Counter] Screen (Example)

Item	Description
Maintenance Counter	<p>Displays the following maintenance counter values.</p> <ul style="list-style-type: none"> • Number of dot lines for paper feed (Unit: dot) • Thermal head activation times (Unit: dots) • Number of autocutter drive times (Unit: time)^{*1} • Drive time of printer (unit: minute)^{*2} • Number of dot lines for paper feed (integrated) (unit: dot)^{*3} • Thermal head activation times (integrated) (unit: dot)^{*3} • Number of autocutter drive times (integrated) (unit: time)^{*1} • Drive time of printer (integrated) (unit: minute)^{*2*3}
Refresh	Gets the maintenance counter values from the printer again.

*1: Not supported in MP-B21L, MP-B30L, MP-B30, MP-B20, and MP-A40.

*2: Not supported in RP-E 10.

*3: Not supported in MP-B20 and MP-A40.

3.2.2 Memory Switch

Sets the memory switches.

The items displayed varies depending on the printer. For details of the memory switch, see "User's Guide".

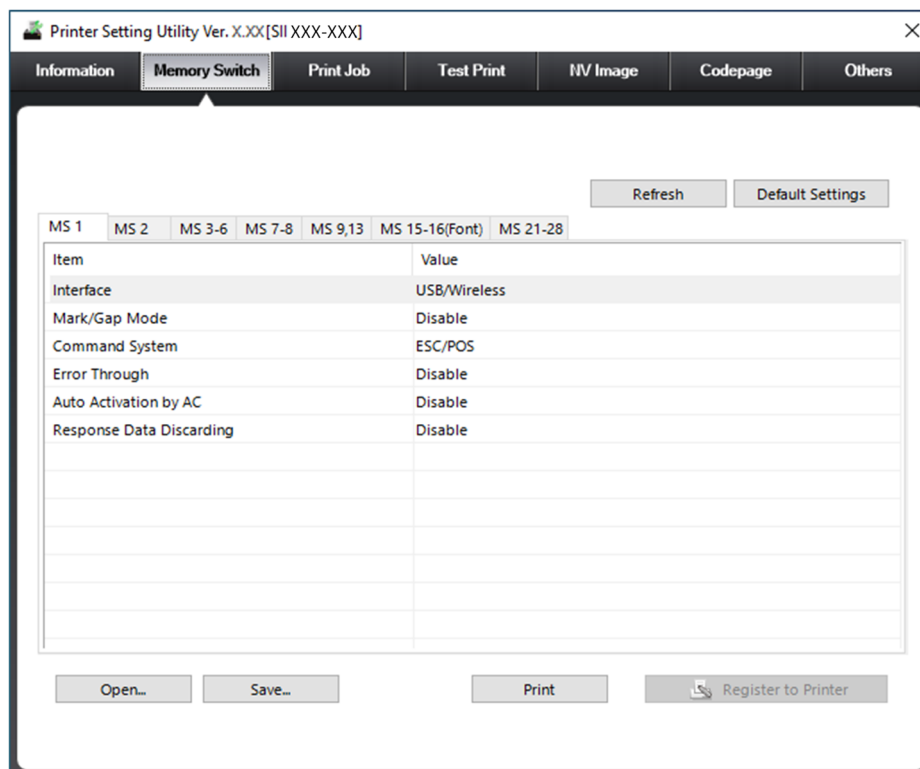


Figure 3-6 [Memory Switch] Screen (Example)

Caution

- ◆ [Register to Printer] of the memory switch requires logon to the computer with administrator privileges.
- ◆ For MP-B21L, MP-B30L, and MP-B30, when the following item is changed, the printer needs to be restarted. However, the setting change may disable the connection with the printer driver.
 - MS1-1: Interface

Item	Description
Refresh	Loads the current settings of the printer and displays them. The settings currently being edited will be lost.
Default Settings	Restores the factory default settings. The settings currently being edited will be lost. See "User's Guide" for the factory default settings of the memory switch. Not available when the value is not retrieved from the printer.

Item	Description
[MS] tabs	Used to switch the display of the memory switch items.
Item	Displays item names of the memory switch function.
Value	<p>Displays the values of the memory switch retrieved from the printer or memory switch file.</p> <p>To change the value, double-click it to enter edit mode, and select a value from the drop-down list or enter a new value in the edit box.</p> <p>A value that is out of the range is automatically rounded to a value within the range.</p> <p>When the loaded value is changed, it is displayed in red.</p> <p>"—" is displayed and editing is not possible when information cannot be retrieved from the printer at starting the memory switch.</p> <p>When [Register to Printer] is clicked, the value is reflected.</p>
Open...	<p>Loads the saved memory switch file (*.sms) and displays the settings.</p> <p>When the value is not retrieved from the printer, the operation cannot be performed.</p>
Save...	<p>Saves the settings on the current screen as a memory switch file (*.sms).</p> <p>Not available when the value is not retrieved from the printer.</p>
Print	Prints the current settings of the printer.
Register to Printer	<p>Changes the printer settings with the setting content displayed on the screen.</p> <p>Not available when the value is not retrieved from the printer.</p> <p>Not available when the value retrieved from the printer is not changed.</p>

Registering Memory Switch Settings to Printer

The procedures for registering the memory switch settings to the printer are described below.

Registration Procedure When Changing Settings

1. Switch [MS] tabs to display the target memory switch items.
2. Select or enter values for the target memory switch items.
3. Click the [Register to Printer] button.

Registration Procedure When Loading from Memory Switch File

1. Click the [Open...] button in the [Memory Switch] screen.
2. From the [Open] dialog, specify the memory switch file in which the settings are saved.
3. Click the [Open] button in the [Open] dialog.
4. Click the [Register to Printer] button.

Registration Procedure When Restoring to Default Settings

1. Click the [Default Settings] button.
2. When the confirmation screen is displayed, click the [Yes] button.
3. Click the [Register to Printer] button.

Saving Memory Switch Settings

The procedure for saving the memory switch settings as a memory switch file is described below.

1. Click the [Save...] button in the [Memory Switch] screen.
2. In the [Save As] dialog, specify the location and the file name to save the memory switch file.
3. Click the [Save] button in the [Save As] dialog.

3.2.3 Print Job

Sets the print data output per job.

Print job is supported by the following models.

- MP-B21L
- MP-B30L
- MP-B30
- RP-F10
- RP-G10
- CAP06

Select [Print Job] in the utility panel and display the screen below.

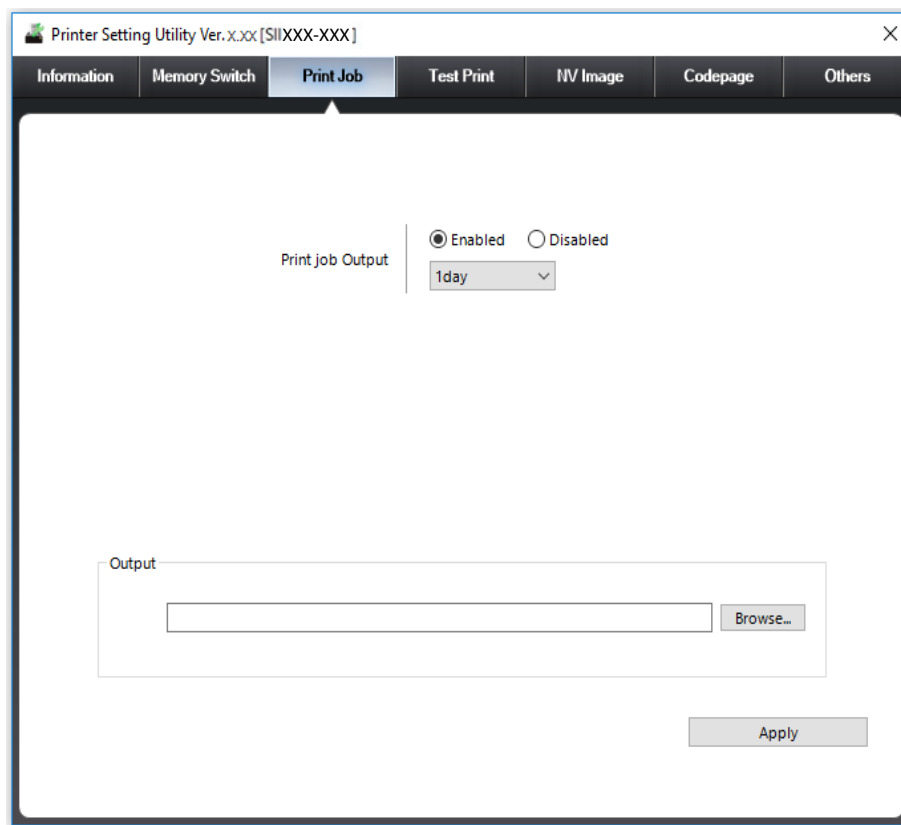


Figure 3-7 [Print Job] Screen

Caution

- ◆ Privileges to the folder are required to write print jobs.
- ◆ When this function is used in a printer sharing environment, it cannot be set from the client side.

Reference

- ◆ When multiple users use the same folder, specify a folder that can be accessed by all users.

Item	Description ("": Default)
Print job Output	<p>Enables or disables the print job information output.</p> <ul style="list-style-type: none"> • Enabled • Disabled <p>When "Enabled" is selected, select the retention period.</p> <ul style="list-style-type: none"> • 1 day • 3 days • 10 days • 30 days • 90 days <p>For "Enabled", the data sent to the printer at printing is saved in a file per job. Print job information that exceeds the retention period is cleared when print job information is output. The actual retention period may be longer by 1 day maximum.</p>
Output	<p>Sets the output destination of the print job.</p> <p>Enter the location to create the folder for saving the print job information, or use the [Browse...] button to specify the output destination in the [Browse Folder] dialog.</p> <p>The maximum path length that can be set is 260 characters.</p> <p>Not available when [Print job Output] is set to "Disabled".</p> <p>The print job information is saved as a print job file (*.pm) per job with a file name indicating the time <hhmm_ss(fff)> of when the file is created.*1</p> <p>The saved print job information is stored in a folder per date (folder name <yyyyMMdd>).</p>
Browse...	<p>Used to specify the location to create the folder where the print job information is saved.</p> <p>The specified destination is displayed in [Output].</p> <p>Not available when [Print job Output] is set to "Disabled".</p>
Apply	Determines the output destination and starts the print job output.

*1: The meanings of the symbols used for the file name and the folder name are as follows. Each value comes from System Clock of Windows.

yyyy : year
 MM : month
 dd : day
 hh : hour
 mm : minute
 ss : second
 fff : millisecond

Changing Print Job Output Settings

The procedure for changing the print job output settings is described below.

1. Select "Enabled" for [Print job Output], and then select the retention period.
2. Enter the output destination of the print job information in [Output].
3. Click the [Apply] button.

3.2.4 Log

Sets the log output of the printer driver.
Log is supported by the following models.

- MP-B20
- MP-A40
- RP-E10

Caution

- ◆ Log output of SDK can be configured by "SII Log Setting Utility for Windows". For details, see the manual of "SII Log Setting Utility for Windows".
- ◆ [Apply] of the log output requires logon to the computer with administrator privileges.
- ◆ Writing to a log requires write permission to the folder or the file.
- ◆ Avoid unnecessary log output since the operation of the printer driver may be heavy when the log output is enabled.
- ◆ Log output may not be possible when the log file is kept open.

Log Output Settings

Select [Log] in the utility panel and display the screen below.

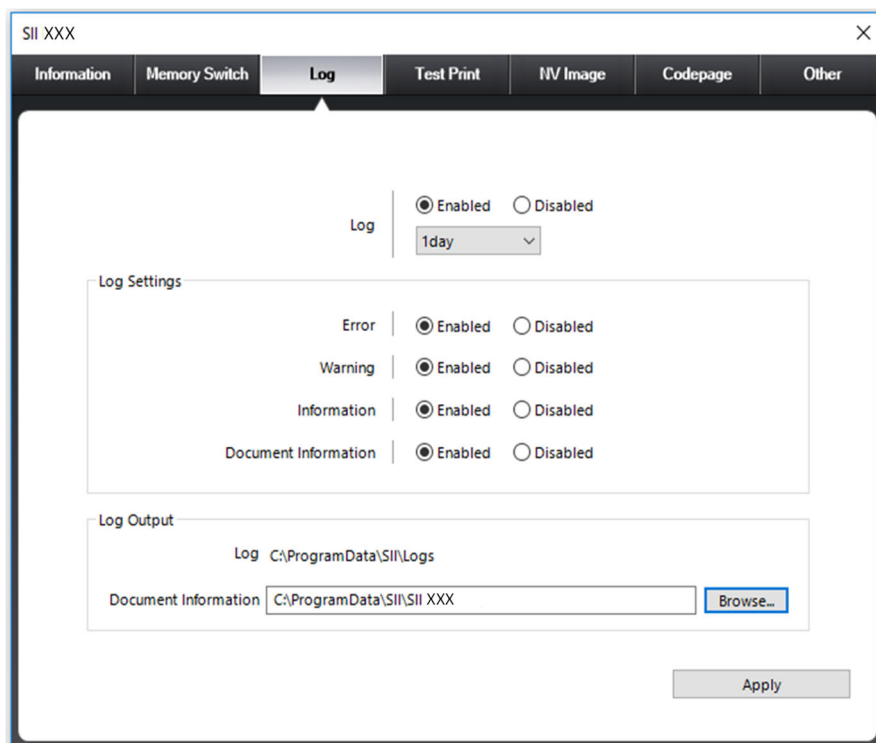


Figure 3-8 [Log] window

Name	Description ("": Default)
Log	<p>Selects for the log output.</p> <ul style="list-style-type: none"> • Enabled • Disabled <p>When "Enabled" is selected, select the retention period.</p> <ul style="list-style-type: none"> • 1 day • 3 days • 10 days • 30 days • 90 days <p>A log file whose retention period has passed is cleared when outputting log. The actual retention period may be longer by 1 day at maximum. The maximum size of a log file (excluding the document information) is about 32 MB. When it exceeds the maximum size, a new log file is created and stored up to the retention period.</p>
Log Settings	<p>Sets the contents of the log output.</p> <p>Not available when [Log] is "Disabled".</p>
Error	<p>Used to select whether to output logs that are in error level.</p> <ul style="list-style-type: none"> • Enabled • Disabled
Warning	<p>Used to select whether to output logs that are in warning level.</p> <ul style="list-style-type: none"> • Enabled • Disabled
Information	<p>Used to select whether to output logs that are in information level.</p> <ul style="list-style-type: none"> • Enabled • Disabled
Document Information	<p>Used to select whether to output the document information.</p> <ul style="list-style-type: none"> • Enabled • Disabled <p>When "Enabled" is selected, data sent to the printer when printing is saved to a file for each job.</p> <p>When using this function in a printer sharing environment, it cannot be configured from the client side.</p>
Log Output	<p>Sets the log output destination.</p>
Log	<p>◆MP-B20, MP-A40</p> <p>The log output destination and the file name are as follows.</p> <p>Output destination: <Drive on which Windows is installed>:\ProgramData\SII\Logs\></p> <p>File name: <yyyyMMdd>.log</p> <p>However, when the file size exceeds 32 MB, the file name is change to <yyyyMMdd_hhmmss>.log, and a new <yyyyMMdd>.log is created.</p> <p>Not available when [Log] is "Disabled".*1</p> <p>◆RP-E10</p> <p>Enter the location to create the folder for saving the log, or click the [Browse...] button in [Log] and specify the output destination by clicking "Save" on the [Browse Folder] dialog.</p> <p>When the file size exceeds 32 MB, a new log file is created and the original log file is saved with a number (*_001) added to the end of the file name for the number of days it will be saved.</p> <p>Not available when [Log] is "Disabled".</p>

Name		Description ("": Default)
	Browse... ^{*2}	Specifies the location of the file in which to save the log. Specified contents are displayed in [Log].
	Document Information	Enter the location to create the folder for saving the document information, or use the [Browse...] button in [Document Information] to specify the output destination in the [Browse Folder] dialog. The document information is saved as a document information file (*.pm) per job. The file name indicates the time "hhmm_ss(fff)" when the file is created. The saved document information is stored in a folder per date (folder name <yyyyMMdd>). Not available when selecting "Disable" in [Document Information].
	Browse...	Specifies the location of the folder for saving the document information. Specified contents are displayed in [Document Information]. When multiple users use the same file, specify a file that all users can access. The path length that can be set is up to 260 characters.
	Apply	Determines the log output contents and output destination, and starts the log output.

*1: The meanings of the symbols used for the file name are as follows. Each value comes from System Clock of Windows.

yyyy : Year

MM : Month

dd : Day

hh : Hour

mm : Minute

ss(fff) : Second (5 digits including 3 digits after the decimal point)

*2: Supported only by RP-E10.

Changing Log Output Settings

The procedure for changing the log output settings is described below.

1. Select "Enabled" for [Log Output], and then select the retention period.
2. Select each item in [Log Settings].
3. Enter the output destination for each log in [Document Information].
4. Click the [Apply] button.

Log File Contents

The contents output to the log file are described.

[MM/dd hh:mm(ss.fff)] [log type] [error information]:[module] log content

The following table lists the log types.

Log type	Level	Description	Remarks
I	Information	Successful operation log	Example: Input-output data
W	Warning	Log which is not related to information and error	-
E	Error	Unexpected failure detection log	Example: Communication error

3.2.5 Test Print

Executes the test print with arbitrary content.

Select [Test Print] in the utility panel and display the screen below.

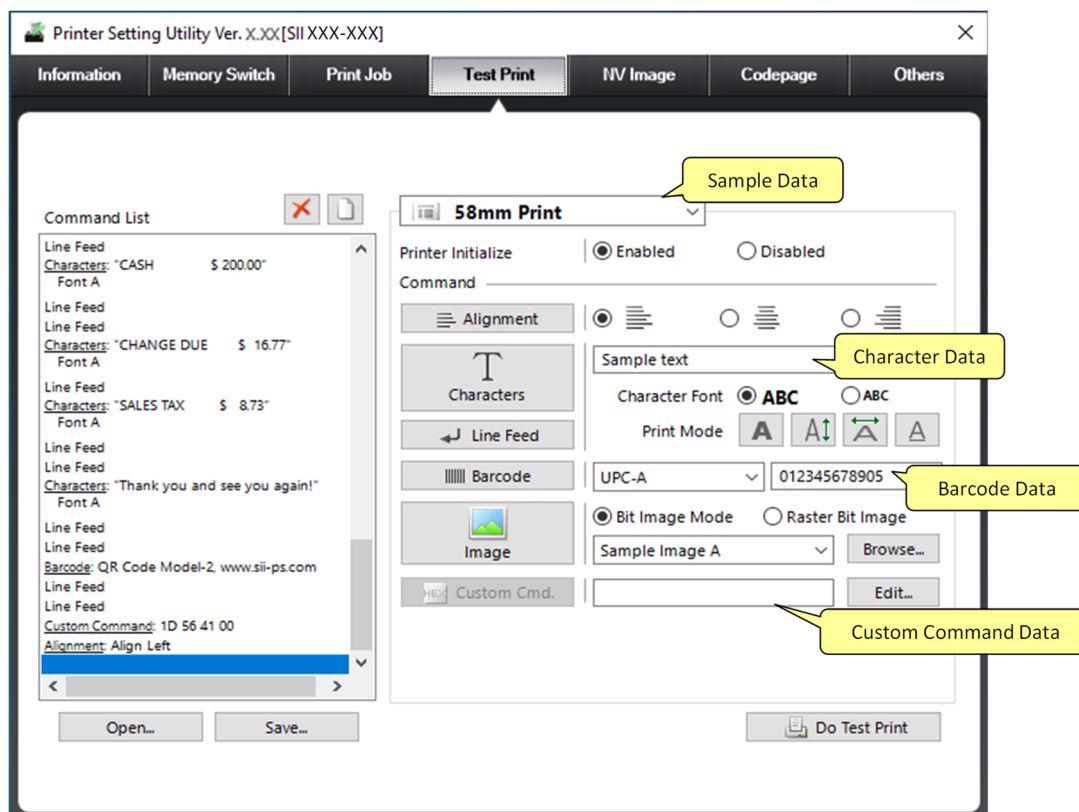













Figure 3-9 [Test Print] Screen (Example)

Item	Description ("": Default)
Command List	Displays the contents set from [Sample Data] or the contents of the test print file as a list. Up to 128 commands can be added to [Command List]. The test print commands added to [Command List] are sent to the printer by [Do Test Print]. When selecting the test print command of characters, barcode, or custom command in [Command List] by double-clicking or using the spacebar, the character string or data is entered in the corresponding edit box.
 Delete	Deletes the test print command currently selected in [Command List] from [Command List]. When the blank line at the bottom is being selected in [Command List], the test print command just above the line is deleted. Not available when [Command List] is blank.
 New	Clears all test print commands in [Command List].
Open...	Specifies and opens a saved test print file (*.stp) to display its content in [Command List].
Save...	Saves the test print commands in [Command List] as a test print file (*.stp).

Item	Description ("": Default)														
Sample Data	<p>Displays the preset test print contents in [Command List].</p> <table border="1"> <thead> <tr> <th>Printer</th><th>Setting</th></tr> </thead> <tbody> <tr> <td>MP-B21L</td><td> <ul style="list-style-type: none"> • 58 mm print • 25.4 mm print • Barcode • Custom </td></tr> <tr> <td>MP-B30L RP-F10 RP-G10</td><td> <ul style="list-style-type: none"> • 80 mm print • 58 mm print • Barcode • Custom </td></tr> <tr> <td>MP-B30 CAP06-347</td><td> <ul style="list-style-type: none"> • 80 mm print • Barcode • Custom </td></tr> <tr> <td>MP-B20 CAP06-247 CAP06-245</td><td> <ul style="list-style-type: none"> • 58 mm print • Barcode • Custom </td></tr> <tr> <td>MP-A40</td><td> <ul style="list-style-type: none"> • 112 mm print • 80 mm print • Barcode • Custom </td></tr> <tr> <td>RP-E10</td><td> <ul style="list-style-type: none"> • Receipt • Pattern • Barcode • Custom </td></tr> </tbody> </table> <p>In the case of selecting other than "Custom" for [Sample Data], [Sample Data] is changed to "Custom" by the following operations:</p> <ul style="list-style-type: none"> • Changing the contents of the displayed [Command List] • Loading a test print file (*.stp) with the [Open] button 	Printer	Setting	MP-B21L	<ul style="list-style-type: none"> • 58 mm print • 25.4 mm print • Barcode • Custom 	MP-B30L RP-F10 RP-G10	<ul style="list-style-type: none"> • 80 mm print • 58 mm print • Barcode • Custom 	MP-B30 CAP06-347	<ul style="list-style-type: none"> • 80 mm print • Barcode • Custom 	MP-B20 CAP06-247 CAP06-245	<ul style="list-style-type: none"> • 58 mm print • Barcode • Custom 	MP-A40	<ul style="list-style-type: none"> • 112 mm print • 80 mm print • Barcode • Custom 	RP-E10	<ul style="list-style-type: none"> • Receipt • Pattern • Barcode • Custom
Printer	Setting														
MP-B21L	<ul style="list-style-type: none"> • 58 mm print • 25.4 mm print • Barcode • Custom 														
MP-B30L RP-F10 RP-G10	<ul style="list-style-type: none"> • 80 mm print • 58 mm print • Barcode • Custom 														
MP-B30 CAP06-347	<ul style="list-style-type: none"> • 80 mm print • Barcode • Custom 														
MP-B20 CAP06-247 CAP06-245	<ul style="list-style-type: none"> • 58 mm print • Barcode • Custom 														
MP-A40	<ul style="list-style-type: none"> • 112 mm print • 80 mm print • Barcode • Custom 														
RP-E10	<ul style="list-style-type: none"> • Receipt • Pattern • Barcode • Custom 														
Printer Initialize	<p>Sets whether or not to initialize the printer by the printer command "Printer Initialize" when starting the test print.</p> <ul style="list-style-type: none"> • Enabled • Disabled <p>Even when "Enabled" is selected, this command is not displayed in [Command List]. This setting is reflected to the print data or the content saved in the test print file at the following times.</p> <ul style="list-style-type: none"> • When [Do Test Print] is executed • When [Save...] is executed 														

Item	Description ("": Default)
Command	Sets parameters about the contents of the test print.
Alignment	<p>Adds a position to print characters, barcodes, and images to [Command List].</p> <p>The alignment setting remains valid until another test print command of alignment is inserted next.</p> <ul style="list-style-type: none"> ·  Align Left ·  Centered ·  Align Right
Characters ^{*1*2}	<p>Adds the characters entered in [Character Data] in batch along with the settings of [Character Font] and [Print Mode] to [Command List].</p> <p>APrinting is executed when a line buffer is filled with character data (1 line full printing) or when the printing condition is established by the printer command "Line Feed" or others. Unless the above condition is satisfied, data sent to the printer is not printed.</p> <p>Not available when [Character Data] is blank.</p>
Character Data	<p>Used to enter a character string for the test print.</p> <p>Both 1-byte character and 2-byte character can be entered up to 64 characters.</p>
Character Font	<p>Sets the font size.</p> <ul style="list-style-type: none"> ·  Font A (24x12) ·  Font B (16x8)
Print Mode	<p>Sets the print mode.</p> <p>Each button is turned "on" or "off" each time it is clicked.</p> <p>When turned "off", its setting is not displayed in [Command List] when adding the test print command.</p> <ul style="list-style-type: none"> ·  Bold Print ·  Double Height ·  Double Width ·  Underline
Line Feed	<p>Adds a test print command of [Line Feed] to [Command List].</p> <p>When a character is entered in [Character Data], the test print command of [Line Feed] is added after the test print commands of [Character Data], [Character Font], and [Print Mode].</p>

Item	Description ("": Default)
Barcode	Adds the barcode type and the data entered in [Barcode Data] to [Command List] in batch. Not available when [Barcode Data] is blank.
Barcode Type	<p>Selects the barcode type for the test print.</p> <ul style="list-style-type: none"> • UPC-A • UPC-E • JAN13 (EAN13) • JAN8 (EAN8) • CODE39 • ITF • CODABAR • CODE128^{*3} • CODE93^{*4} • JAN13 (EAN13) add-on 2 • JAN13 (EAN13) add-on 5 • GS1 Databar Omni-directional • GS1 Databar Truncated • GS1 Databar Limited • GS1 Databar Expanded • Customer Bar Code^{*5} • QR Code Model-2 • PDF417 (Fixed to normal PDF417) • Data Matrix • Maxi Code (Fixed to Mode5) • Aztec Code (Fixed to full-range (Full-range))^{*5 *6} • GS1 Databar Stacked • GS1 Databar Stacked Omni-directional • GS1 Databar Expanded Stacked
Barcode Data	<p>Used to enter barcode print data in character string. Up to 64 characters can be entered. The data input method differs from the one used for barcode font. For the data to be input, input the data [d] as a character string, which is described in the printer commands for each barcode of "Barcode" and "Two-dimensional Barcode" in "CHAPTER 6 COMMAND FUNCTIONS" of "Technical Reference"</p>
Image	Adds the settings of [Print Method] and [Image Selection] to [Command List] in batch.
Print Method	<p>Sets the type of the printer command to be used for image printing.^{*16}</p> <ul style="list-style-type: none"> • Bit Image Mode • Raster Bit Image <p>[Print Method] is fixed to raster bit image when "Sample Image B" is selected in [Image Selection].</p>
Image Selection	<p>Sets the image data to be used for image printing.</p> <ul style="list-style-type: none"> • Sample Image A • Sample Image B • User Specified Image <p>When [User Specified Image] is selected from the combo box, the [Open] dialog automatically opens, and the image to use can be specified.</p>

Item		Description ("": Default)
	Browse...	Opens the [Open] dialog to specify a user specified image to be used for image printing. Image files (*.jpg, *.jpeg, *.bmp, *.png) can be selected. When clicking the [Browse...] button and selecting an image file, [Image Selection] is changed to "User Specified Image".
	Custom Cmd.	Adds the printer command entered in [Custom Command Data] to [Command List]. Not available when [Custom Command Data] is blank.
	Custom Command Data	Displays the custom command. To input, use the binary editor displayed by clicking the [Edit...] button.
	Edit...	Opens the binary editor to enter a printer command in hexadecimal. The entered printer command is displayed in [Custom Command Data]. Up to 64 bytes can be specified. For details of the binary editor, see "3.3.8 How to Use Binary Editor" in "SII Printer Driver for Windows User's Guide".
Do Test Print		Sends all test print commands in [Command List] to the printer.

*1: The Kanji code system differs depending on the used language environment.

Windows OS	System Locale	Kanji Code System
Japanese	Japanese (Japan)	Shift-JIS code
	Other than Japanese (Japan)	JIS code
Other than Japanese	Japanese (Japan)	Shift-JIS code
	Other than Japanese (Japan)	JIS code

*2: The string encoding differs depending on the selection of [Device Font Settings] in the [Printing Setting Dialog] - [Font] tab.
When "Character Code Table" in [Device Font Settings] is set to [Default], character string is encoded in the ANSI codepage currently valid in the system.

When "Character Code Table" in [Device Font Settings] is not set to [Default], character string is encoded in the codepage selected in [Device Font Settings]. For details of the codepage, see "3.4.4 Device Font Settings" in "SII Printer Driver for Windows User's Guide".

*3: There are 2 methods to input data. For the input methods, see "Using CODE128" in the following page.

*4: For the data input method, see "Using CODE93" in the following page.

*5: Supported only by MP-B21L.

*6: Supported only by MP-B30L.

Data input method to [Barcode Data] in [Test Print] is described below.

•Using CODE128

There are 2 input methods.

1. Method using Table 3-1 CODE128 Code Set

- (1) Select the start code of the code set to use from [Data] in Table 3-1 CODE128 Code Set. Enter [ASCII CHAR] corresponding to the selected start code into [Barcode Data].

Example: When selecting the code set "CODE A",
enter 'g' of [ASCII CHAR] corresponding to "START A" in Table 3-1
CODE128 Code Set.

- (2) In the same way as (1), enter [ASCII CHAR] corresponding to [Data] into [Barcode Data] for the data to be printed as a barcode.

The range of [Data] that can be input is 0x20 to 0x69.

Example: To print 'A' of [Data] with the code set "CODE A" selected,
enter '!' of [ASCII CHAR] corresponding to 'A' of [Data] in Table 3-1
CODE128 Code Set.

2. Method using Table 3-1 CODE128 Code Set and Table 3-2 CODE128 Special Characters Code

- (1) See Table 3-2 CODE128 Special Characters Code and enter [ASCII CHAR] corresponding to the start code of [Data] into [Barcode Data].

Example: When selecting the code set "CODE A",
enter '{A' of [ASCII CHAR] corresponding to "START A" of [Data] in
Table 3-2 CODE128 Special Characters Code.

- (2) The input method for succeeding data depends on the start code.

- For "CODE A" or "CODE B"

See Table 3-1 CODE128 Code Set and enter the character stated in [Data] into [Barcode Data].

Example: To convert 'A' of [Data] to barcode data, enter 'A'.

The range of [Data] that can be input is as follows.

CODE A	0x00 to 0x3F in [Code] of Table 3-1 CODE128 Code Set
CODE B	0X00 to 0x5E in [Code] of Table 3-1 CODE128 Code Set

- For "CODE C"

In the same way as (2) of 1., see Table 3-1 CODE128 Code Set and enter [ASCII CHAR] corresponding to [Data] into [Barcode Data].

The range of [Data] that can be input is 0x20 to 0x69.

Example: To convert '65' of [Data] to barcode data, enter 'A' of [ASCII CHAR].

For the data corresponding to Table 3-2 CODE128 Special Characters Code, enter [ASCII CHAR] corresponding to the start code of [Data] into [Barcode Data].

Example: To input "SHIFT" of [Data] - [CODE A], enter '{S'.

Table 3-1 CODE128 Code Set

Code	Data			ASCII CHAR	Code	Data			ASCII CHAR	Code	Data			ASCII CHAR
	CODE A	CODE B	CODE C			CODE A	CODE B	CODE C			CODE A	CODE B	CODE C	
0x00	SP ^{*1}	SP ^{*1}	00		0x24	D	D	36	\$	0x48	BS	h	72	H
0x01	!	!	01		0x25	E	E	37	%	0x49	HT	i	73	I
0x02	"	"	02		0x26	F	F	38	&	0x4A	NL*	j	74	J
0x03	#	#	03		0x27	G	G	39	'	0x4B	VT	k	75	K
0x04	\$	\$	04		0x28	H	H	40	(	0x4C	NP	l	76	L
0x05	%	%	05		0x29	I	I	41	)	0x4D	CR	m	77	M
0x06	&	&	06		0x2A	J	J	42	*	0x4E	SO	n	78	N
0x07	'	'	07		0x2B	K	K	43	+	0x4F	SI	o	79	O
0x08	(	(	08		0x2C	L	L	44	,	0x50	DLE	p	80	P
0x09	)	)	09		0x2D	M	M	45	-	0x51	DC1	q	81	Q
0x0A	*	*	10		0x2E	N	N	46	.	0x52	DC2	r	82	R
0x0B	+	+	11		0x2F	O	O	47	/	0x53	DC3	s	83	S
0x0C	,	,	12		0x30	P	P	48	0	0x54	DC4	t	84	T
0x0D	-	-	13		0x31	Q	Q	49	1	0x55	NAK	u	85	U
0x0E	.	.	14		0x32	R	R	50	2	0x56	SYN	v	86	V
0x0F	/	/	15		0x33	S	S	51	3	0x57	ETB	w	87	W
0x10	0	0	16		0x34	T	T	52	4	0x58	CAN	x	88	X
0x11	1	1	17		0x35	U	U	53	5	0x59	EM	y	89	Y
0x12	2	2	18		0x36	V	V	54	6	0x5A	SUB	z	90	Z
0x13	3	3	19		0x37	W	W	55	7	0x5B	ESC	{	91	[
0x14	4	4	20		0x38	X	X	56	8	0x5C	FS	|	92	\
0x15	5	5	21		0x39	Y	Y	57	9	0x5D	GS	}	93]
0x16	6	6	22		0x3A	Z	Z	58	:	0x5E	RS	~	94	^
0x17	7	7	23		0x3B	[	[	59	;	0x5F	US	DEL	95	_
0x18	8	8	24		0x3C	\	\	60	<	0x60	FNC3	FNC3	96	`
0x19	9	9	25		0x3D	]	]	61	=	0x61	FNC2	FNC2	97	a
0x1A	:	:	26		0x3E	^	^	62	>	0x62	SHIFT	SHIFT	98	b
0x1B	;	;	27		0x3F	_	_	63	?	0x63	CODE C	CODE C	99	c
0x1C	<	<	28		0x40	NUL	`	64	@	0x64	CODE B	FNC4	CODE B	d
0x1D	=	=	29		0x41	SOH	a	65	A	0x65	FNC4	CODE A	CODE A	e
0x1E	>	>	30		0x42	STX	b	66	B	0x66	FNC1	FNC1	FNC1	f
0x1F	?	?	31		0x43	ETX	c	67	C					
0x20	@	@	32	SP ^{*1}	0x44	EOT	d	68	D	0x67	START A			g
0x21	A	A	33	!	0x45	ENQ	e	69	E	0x68	START B			h
0x22	B	B	34	”	0x46	ACK	f	70	F	0x69	START C			i
0x23	C	C	35	#	0x47	BEL	g	71	G					

*1: Input a space.

Table 3-2 CODE128 Special Characters Code

Code	ASCII CHAR	Data		
		CODE A	CODE B	CODE C
0x7B53	{S	SHIFT	SHIFT	-
0x7B41	{A	START A	CODE A	CODE A
0x7B42	{B	CODE B	START B	CODE B
0x7B43	{C	CODE C	CODE C	START C
0x7B31	{1	FNC1	FNC1	FNC1
0x7B32	{2	FNC2	FNC2	
0x7B33	{3	FNC3	FNC3	
0x7B34	{4	FNC4	FNC4	
0x7B7B	{{		'{'	

• **Using CODE93**

See Table 3-3 CODE93 Code Set for the data to print as a barcode, and enter [ASCII CHAR] corresponding to [Data] into [Barcode Data].

The range of [Data] that can be input is 0x20 to 0x2E.

Example: To print 'X' on the barcode,

enter '!' of [ASCII CHAR] corresponding to 'X' in Table 3-3 CODE93 Code Set.

Table 3-3 CODE93 Code Set

Code	Data	ASCII CHAR	Code	Data	ASCII CHAR	Code	Data	ASCII CHAR
0x00	0		0x10	G		0x20	W	SP ^{*1}
0x01	1		0x11	H		0x21	X	!
0x02	2		0x12	I		0x22	Y	”
0x03	3		0x13	J		0x23	Z	#
0x04	4		0x14	K		0x24	-	\$
0x05	5		0x15	L		0x25	.	%
0x06	6		0x16	M		0x26	SP	&
0x07	7		0x17	N		0x27	\$,
0x08	8		0x18	O		0x28	/	(
0x09	9		0x19	P		0x29	+)
0x0A	A		0x1A	Q		0x2A	%	*
0x0B	B		0x1B	R		0x2B	[S1]	+
0x0C	C		0x1C	S		0x2C	[S2]	,
0x0D	D		0x1D	T		0x2D	[S3]	-
0x0E	E		0x1E	U		0x2E	[S4]	.
0x0F	F		0x1F	V				

*1: Input a space.



Execution of Test Print

The execution procedures of the test print are described below.

Printing Procedure When Using [Sample Data]

1. Select the content of test print from [Sample Data].
2. Click the [Do Test Print] button.

Printing Procedure When Specifying Test Print Commands (Printing Characters)

1. Click the  [New] button.
2. Select whether or not to initialize the printer at [Printer Initialize].
3. Select the print position from left, center, or right alignment with the radio button, and click the [Alignment] button.
4. Enter characters to print in [Character Data].
5. Select [Character Font] and [Print Mode], and click the [Line Feed] button.
6. Add test print commands such as [Barcode] and [Custom Cmd.] to [Command List] if necessary.
7. When any test print command (test print command name and setting value) needs to be deleted, select the line of the target test print command in [Command List] and click the  [Delete] button.
8. Click the [Do Test Print] button.

Printing Procedure When Reading from Test Print File

1. Click the [Open...] button in the [Test Print] screen.
2. Specify a test print file where the test print command is saved from the [Open] dialog.
3. Click the [Open] button in the [Open] dialog.
4. Click the [Do Test Print] button.

Saving Test Print File

The procedure for saving the test print information as a test print file is described below.

1. Click the [Save...] button in the [Test Print] screen.
2. In the [Save As] dialog, specify the location and file name to save the test print file.
3. Click the [Save] button in the [Save As] dialog.

3.2.6 NV Image

Edits and registers the image to be used for logos or watermarks, or manages the registered NV images.

Select [NV Image] in the utility panel and display the screen below.

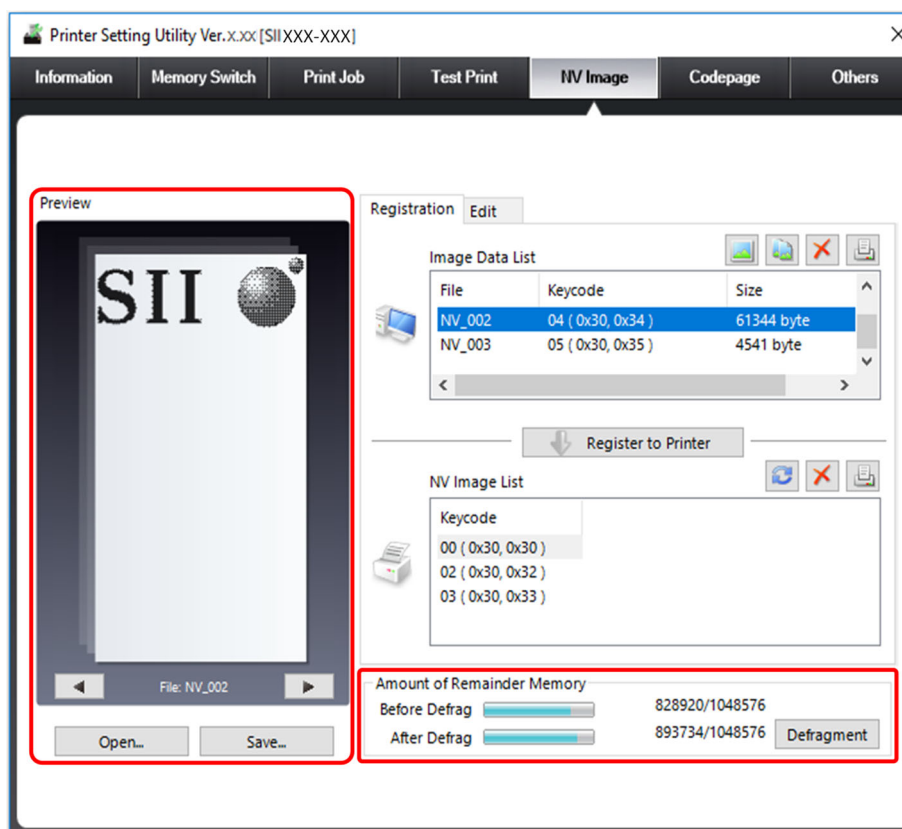





Figure 3-10 [NV Image] Screen

Caution

- ◆ [Register to Printer] of the [Registration] tab requires login to the computer with administrator privileges.
- ◆  (deletion) of [NV Image List] requires login to the computer with administrator privileges.

Reference

- ◆ NV image is image data registered in the NV memory (non-volatile memory) of the printer. Even when the printer is turned off, this data is retained.

Item	Description
Preview	Displays the image data currently selected in [Image Data List].
 Back	Switches the image data to display in [Preview] to the preceding image. Available only when [Image Data List] contains 2 or more image data.
 Next	Switches the image data to display in [Preview] to the next image. Available only when [Image Data List] contains 2 or more image data.
File	Displays the file name of the image data currently displayed in [Preview].
Open...	Loads and displays the settings and the image from the saved image data file (*.snv).
Save...	Saves the settings and the image of the image data added to [Image Data List] as an image data file (*.snv). Not available when [Image Data List] contains no image data.
Amount of Remainder Memory	Displays the remaining amount of the memory. Performs defragmentation by reallocating the printer memory to secure free memory area.
Before Defrag	Displays the memory remaining amount before defragmentation.
After Defrag	Displays the memory remaining amount after defragmentation.
Defragment	Executes defragmentation.

Setting of Registration

Select the [Registration] tab in the [NV Image] screen and display the screen below.

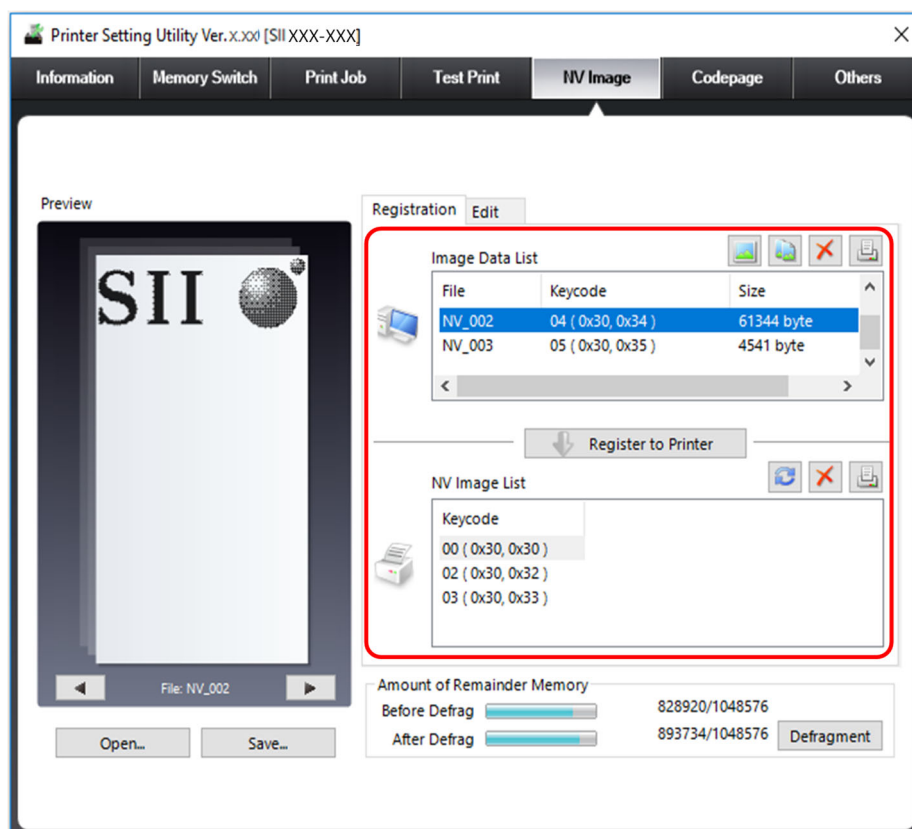









Figure 3-11 [Registration] Screen

Item	Description (" ": Default)
Image Data List	Displays the list of the added image data. Up to 20 image data can be added to [Image Data List]. When starting the [NV Image] screen, the list exited at the last time is restored.
File	The name for managing the image data to be registered to the printer. Not editable. This name is automatically assigned when the image data is added to [Image Data List].
Keycode	The image data number used when registering the image data to the printer. Key codes not registered in the printer are automatically assigned. To change the assigned keycode, select the image data in [Image Data List] and enter a new keycode in ASCII character in the edit box. ◆MP-B21L, MP-B30L, MP-B30, RP-F10, RP-G10, CAP06-247, CAP06-347, CAP06-245 " " (0x20,0x20) to "99" (0x39,0x39) (automatically assigned keycode) ◆MP-B20, MP-A40, RP-E10 " " (0x30,0x30) to "99" (0x39,0x39) (automatically assigned keycode) When image data is deleted, its keycode becomes a vacant number and is not automatically assigned again. However, when the numbers up to 99 are used for keycode, vacant numbers are assigned in ascending order from the smallest one.
Size	Displays the data size of the image data. Not editable.

Item	Description ("": Default)
 Open image data	<p>Specifies an image data file and adds it to [Image Data List]. Image files(*.jpg, *.jpeg, *.bmp, *.png) can be selected. The specified image data is resized so as to fit in the paper width of each printer when loading. When a color image is specified, it is converted to a monochrome image when loading. The number of bits per pixel in a loadable image file is up to 24.</p>
 Copy image data	<p>Duplicates the image data currently selected in [Image Data List], and adds it to [Image Data List] with a different file name. Not available when [Image Data List] contains no image data.</p>
 Delete image data	<p>Deletes the image data currently selected in [Image Data List] from [Image Data List]. Not available when [Image Data List] contains no image data.</p>
 Print image data	<p>Prints all image data selected in [Image Data List]. Not available when [Image Data List] contains no image data.</p>
Register to Printer	<p>Registers all image data selected in [Image Data List] to the printer. After registration of the image data, [Amount of Remainder Memory] is also updated. When the keycode of the image data to be registered is already registered, a message appears confirming overwrite. Not available when [Image Data List] contains no image data.</p>
NV Image List	<p>Displays the list of the NV images registered in the printer. When the NV image information cannot be retrieved from the printer, "-" is displayed on the first line of the list.</p>
Keycode	<p>Displays the keycodes of the NV images registered in the printer.</p>
 Refresh	<p>Gets the NV images registered in the printer and the memory remaining amount again.</p>
 Delete	<p>Deletes the NV image currently selected in [NV Image List] from the printer. Not available when [NV Image List] contains no NV image. After deletion of the image, [Amount of Remainder Memory] is also updated.</p>
 Test Print	<p>Prints the NV image currently selected in [NV Image List]. Not available when [NV Image List] contains no NV image.</p>

Setting of Edit

Select the [Edit] tab in the [NV Image] screen and display the screen below.

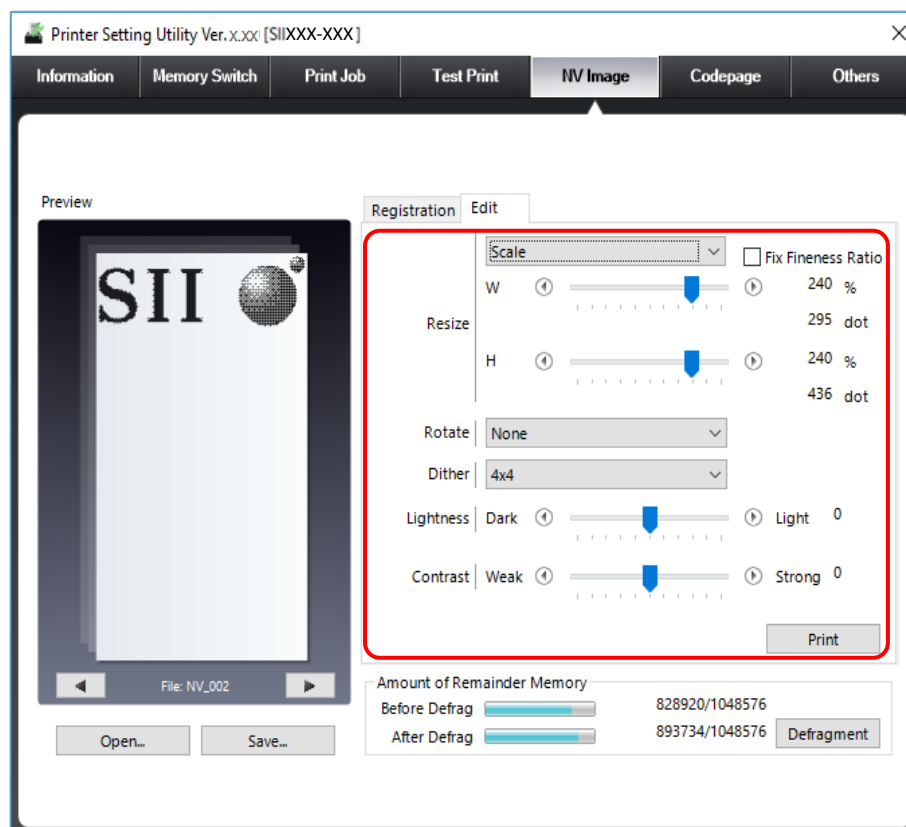


Figure 3-12 [Edit] Screen (Example)

Item	Description ("": Default)
Resize	Expands or reduces the selected image data. Not available when [Image Data List] contains no image data.
MP-B21L	
Fit 58mm Width Fit 58mm Label Width Fit 50.8mm Width Fit 50.8mm Label Width Fit 25.4mm Width Fit 25.4mm Label Width Scale	Used to automatically resize the image data to fit the following paper width. ・58 mm paper width (printable (head) width: 48 mm) ・58 mm label width (printable (head) width: 48 mm) ・50.8 mm paper width (printable (head) width: 46 mm) ・50.8 mm label width (printable (head) width: 44 mm) ・25.4 mm paper width (printable (head) width: 21 mm) ・25.4 mm label width (printable (head) width: 21 mm) Selecting [Scale] can specify the size with [W] and [H].


Item	Description ("": Default)
MP-B30L	
Fit 80mm Width Fit 80mm Label Width Fit 76.2mm Width Fit 76.2mm Label Width Fit 58mm Width Fit 58mm Label Width Scale	Used to automatically resize the image data to fit the following paper width. ·80 mm paper width (printable (head) width: 72 mm) ·80 mm label width (printable (head) width: 72 mm) ·76.2 mm paper width (printable (head) width: 72 mm) ·76.2 mm label width (printable (head) width: 70 mm) ·58 mm paper width (printable (head) width: 54 mm) ·58 mm label width (printable (head) width: 52 mm) Selecting [Scale] can specify the size with [W] and [H].
MP-B30, CAP06-347	
Fit 80mm Width Scale	Used to automatically resize the image data to fit the 80 mm paper width (printable (head) width: 72 mm). Selecting [Scale] can specify the size with [W] and [H].
CAP06-247, CAP06-245	
Fit 58mm Width Scale	Used to automatically resize the image data to fit the 58 mm paper width (printable (head) width: 48 mm). Selecting [Scale] can specify the size with [W] and [H].
RP-F10, RP-G10	
Fit 80mm Width Fit 58mm Width Scale	Used to automatically resize the image data to fit the following paper width. ·80 mm paper width (printable (head) width: 72 mm) ·58 mm paper width (printable (head) width: 54 mm) Selecting [Scale] can specify the size with [W] and [H].
MP-B20	
Fit 58mm Width	When the checkbox is on, used to automatically resize the image data to fit the 58 mm paper width (printable (head) width: 48 mm). When the checkbox is off, the size can be specified using [W] and [H].
MP-A40	
Fit 112mm Width	When the checkbox is on, used to automatically resize the image data to fit the 112 mm paper width (printable (head) width: 104 mm). When the checkbox is off, the size can be specified using [W] and [H].
RP-E10	
Fit 80mm Width	When the checkbox is on, used to automatically resize the image data to fit the 80 mm paper width (printable (head) width: 72 mm). When the checkbox is off, the size can be specified using [W] and [H].
Fix Fineness Ratio	Fixes the aspect ratio when resizing the image data.
W H	Sets the size of the image data using the slider control. The [H] slider is not available when the [Fix Fineness Ratio] checkbox is on. · 10 to 300% of the original image (The range of dot varies depending on the original image size. The height can be specified up to 8 inches (1624 dots).)
% dot	Displays the scale ratio (%) and the dot-converted value of the selected image.

Item	Description ("": Default)
Rotate	<p>Used to rotate the image data in the selected direction and angle.</p> <ul style="list-style-type: none"> • None • Rotate 90 degrees to right • Rotate 180 degrees • Rotate 90 degrees to left <p>When the image data is rotated from the current angle while a setting other than [Specified Scale] is selected in [Resize], the selection is automatically changed to [Scale].</p> <p>Not available when [Image Data List] contains no image data.</p>
Dither	<p>Used to select the dithering pattern.</p> <ul style="list-style-type: none"> • 2x2 • 4x4 • 6x6 • 8x8 • Error Diffusion <p>Not available when [Image Data List] contains no image data.</p>
Lightness	<p>Sets the lightness of the image data.</p> <ul style="list-style-type: none"> • -100 to 100 (0) <p>When operating the slider with the mouse, the setting is reflected to [Preview] at the timing of releasing the left mouse button.</p> <p>When operating the slider with the keyboard or left/right arrow buttons, the setting is reflected to [Preview] each time pressing the key or clicking the button.</p> <p>Not available when [Image Data List] contains no image data.</p>
Contrast	<p>Sets the contrast of the image data.</p> <ul style="list-style-type: none"> • -100 to 100 (0) <p>Setting -100 makes the whole image flat.</p> <p>When operating the slider with the mouse, the setting is reflected to [Preview] at the timing of releasing the left mouse button.</p> <p>When operating the slider with the keyboard or left/right arrow buttons, the setting is reflected to [Preview] each time pressing the key or clicking the button.</p> <p>Not available when [Image Data List] contains no image data.</p>
Print	<p>Prints the edited image data.</p> <p>Not available when [Image Data List] contains no image data.</p>


Registration of NV Image

The procedures for registering an NV image are described below.

Registration Procedure When Specifying Image Data File

1. Click the  [Open image data] button in the [Registration] tab.
2. From the [Open] dialog, specify the image data file to be registered.
3. Click the [Open] button in the [Open] dialog.
4. Select the added image in [Image Data List].
5. Click the [Register to Printer] button in the [Registration] tab.

Registration Procedure When Duplicating Image Data

1. Select an image to duplicate in [Image Data List], and click the  [Copy image data] button in the [Registration] tab.
2. Select the duplicated image data in [Image Data List].
3. Click the [Register to Printer] button in the [Registration] tab.

Registration Procedure When Loading Settings and Image from Image Data File

1. Click the [Open...] button in the [NV Image] screen.
2. From the [Open] dialog, specify the image data file where the settings and the image of the image data are saved.
3. Click the [Open] button in the [Open] dialog.
4. Select the loaded image data in [Image Data List].
5. Click the [Register to Printer] button in the [Registration] tab.

Editing Image Data

The procedure for editing image data is described below.

1. Select image data to edit from [Image Data List] in the [Registration] tab.
2. Select the [Edit] tab.
3. Change settings such as size, rotation, and lightness of the image data in the [Edit] tab.

Saving Settings and Image of Image Data

The procedure for saving the settings and the image of the image data in a file is described below.

1. Click the [Save...] button in the [NV Image] screen.
2. In the [Save As] dialog, specify the location and file name to save the image data file.
3. Click the [Save] button in the [Save As] dialog.

3.2.7 Codepage

Edits and registers the font data on the user page of the character code table, or manages the registered codepages.

Select [Codepage] in the utility panel and display the screen below.

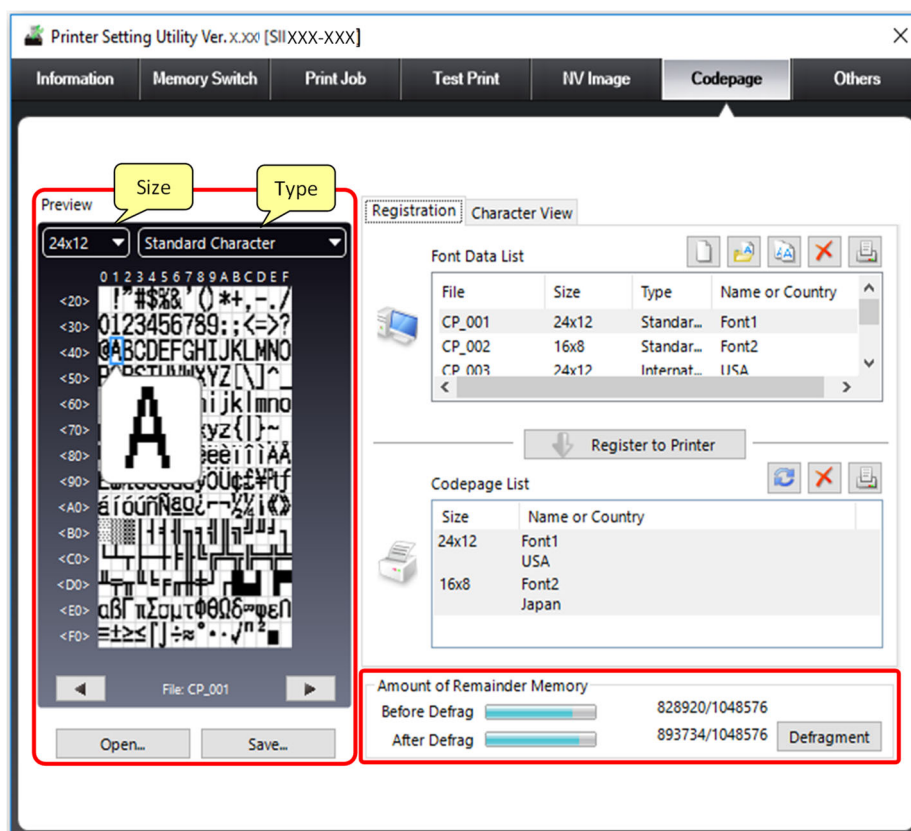





Figure 3-13 [Codepage] Screen

Caution

- ◆ [Register to Printer] of the [Registration] tab requires login to the computer with administrator privileges.
- ◆  (deletion) of [Codepage List] requires login to the computer with administrator privileges.

Reference

- ◆ Codepage
A codepage is a set of characters that are organized by each language and used as a device font.

Item	Description ("": Default)
Preview	<p>Displays the font data selected in [Font Data List].</p> <p>When placing the mouse, the enlarged image of the font in the frame is displayed.</p> <p>The display state of [Preview] changes depending on [Size] and [Type] of the currently selected image.</p>
Size	<p>Used to display or select the size of the font data currently selected in [Font Data List].</p> <ul style="list-style-type: none"> • 24x12 • 16x8 <p>When the setting is changed, the change is reflected to [Preview], [Character View], and [Font Data List].</p>
Type	<p>Used to display or select the type of the font data currently selected in [Font Data List].</p> <ul style="list-style-type: none"> • Standard Character • International Character <p>When the setting is changed, the change is reflected to [Preview] and [Font Data List].</p>
 Back	Switches the font data to display in [Preview] to the preceding page. Available only when [Font Data List] contains 2 or more font data.
 Next	Switches the font data to display in [Preview] to the next page. Available only when [Font Data List] contains 2 or more font data.
File	Displays the file name of the font data currently displayed in [Preview].
Open...	Loads and displays the saved font data file (*.scp).
Save...	<p>Saves the settings and images of the font data added to [Font Data List] as a font data file (*.scp).</p> <p>Not available when [Font Data List] contains no font data.</p>
Amount of Remainder Memory	<p>Displays the remaining amount of the memory.</p> <p>Performs defragmentation by reallocating the printer memory to secure free memory area.</p>
Before Defrag	Displays the memory remaining amount before defragmentation.
After Defrag	Displays the memory remaining amount after defragmentation.
Defragment	Executes defragmentation.

Setting of Registration

Select the [Registration] tab in the [Codepage] screen and display the screen below.

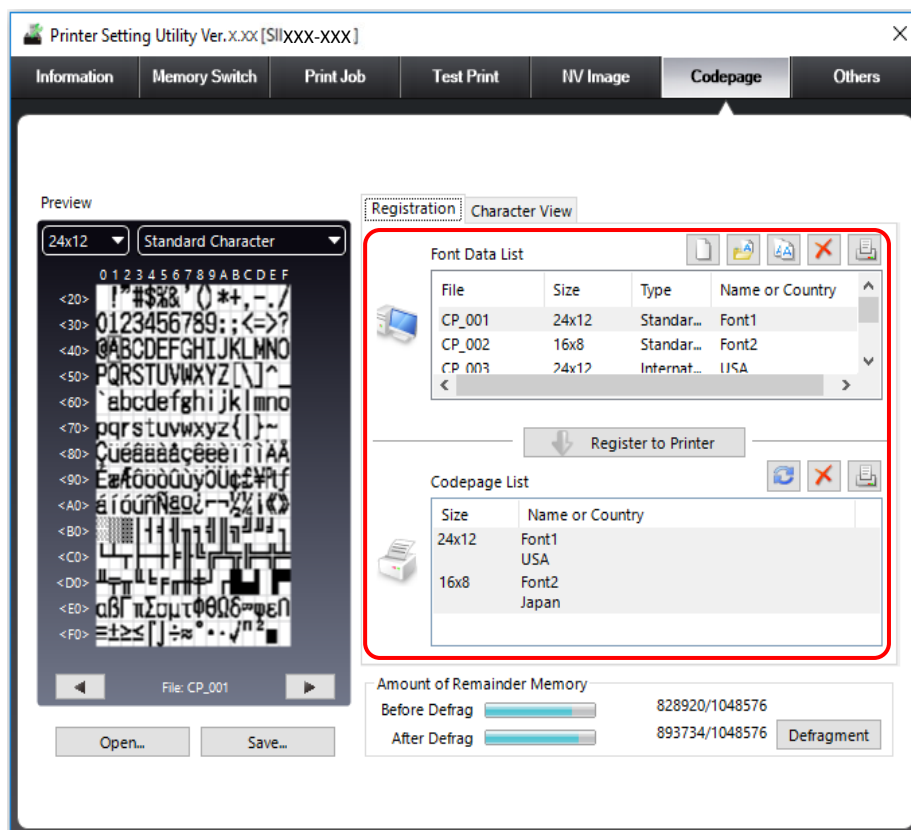










Figure 3-14 [Registration] Screen

Item	Description ("": Default)
Font Data List	Displays the list of the font data added to the project. Up to 60 font data can be added to [Font Data List]. When starting the [Codepage] screen, the list exited at the last time is restored. Multiple font data cannot be selected in [Font Data List].
File	The name for managing the font data to be registered to the printer. Not editable. This name is automatically assigned when the font data is added to [Font Data List].
Size	Used to select the size of the font data. <ul style="list-style-type: none"> • 24 x 12 • 16 x 8 When the setting is changed, the change is reflected to [Preview] and [Character View].
Type	Used to select the type of the codepage. <ul style="list-style-type: none"> • Standard Character • International Character When the setting is changed, the change is reflected to [Preview].

Item	Description (" " : Default)
Name or Country	<p>When [Type] is "Standard Character", enter the font name using 1-byte alphanumeric symbols. Up to 64 characters can be entered.</p> <p>When [Type] is "International Character", select the country name.</p> <ul style="list-style-type: none"> • USA • France • Germany • United Kingdom • Denmark I • Sweden • Italy • Spain I • Japan • Norway • Denmark II • Spain II • Latin America • Arabia
 Make new font data	<p>Creates new font data.</p> <p>The display of [Preview] is cleared to be blank, and font data with a new file name is added to [Font Data List].</p>
 Open font data	<p>Specifies a font data file and adds it to [Font Data List].</p> <p>*.bmp and *.bin of width 16 characters × height 14 characters can be selected.</p> <p>When the loaded font data file is in binary format, the size and the type are determined and reflected in [Font Data List].</p> <p>When the loaded font data file is a BMP file and is a color or gray scale image, it is binarized in black and white when loading.</p> <p>When the loaded font data is in *.bin format and the font data size is different, the missing part becomes blank. The part larger than the size is discarded and not displayed.</p>
 Copy font data	<p>Duplicates the font data currently selected in [Font Data List], and adds it to [Font Data List] with a different file name.</p> <p>The size, type, and font name / country name are also duplicated.</p> <p>Not available when [Font Data List] contains no font data.</p>
 Delete font data	<p>Deletes the font data currently selected in [Font Data List].</p> <p>Not available when [Font Data List] contains no font data.</p>
 Print font data	<p>Prints the font data currently selected in [Font Data List].</p> <p>Not available when [Font Data List] contains no font data.</p>
Register to Printer	<p>Registers the codepage currently selected in [Font Data List] to the printer.</p> <p>When the codepage to be registered is already registered, a message appears confirming overwrite.</p> <p>When registering international characters, register standard characters of the same size beforehand.</p> <p>After the registration of the codepage, [Amount of Remainder Memory] is also updated.</p>

Item	Description (" "": Default)
Codepage List	Displays the codepages registered in the printer. The size and the font name are displayed for "Standard Character", and the size and the country name are displayed for "International Character".
Size	Displays the size of the codepage registered in the printer.
Name or Country	Displays the font name and the country name of the codepage registered in the printer.
 Refresh	Gets the codepages registered in the printer and the memory remaining amount again.
 Delete	Deletes the codepage currently selected in [Codepage List] from the printer. After the deletion of the codepage, [Amount of Remainder Memory] is also updated. Not available when [Codepage List] contains no codepage.
 Test Print	Prints the codepage currently selected in [Codepage List]. Not available when [Codepage List] contains no codepage.

Editing Font Data by [Character View]

Select the [Character View] tab in the [Codepage] screen and display the screen below.

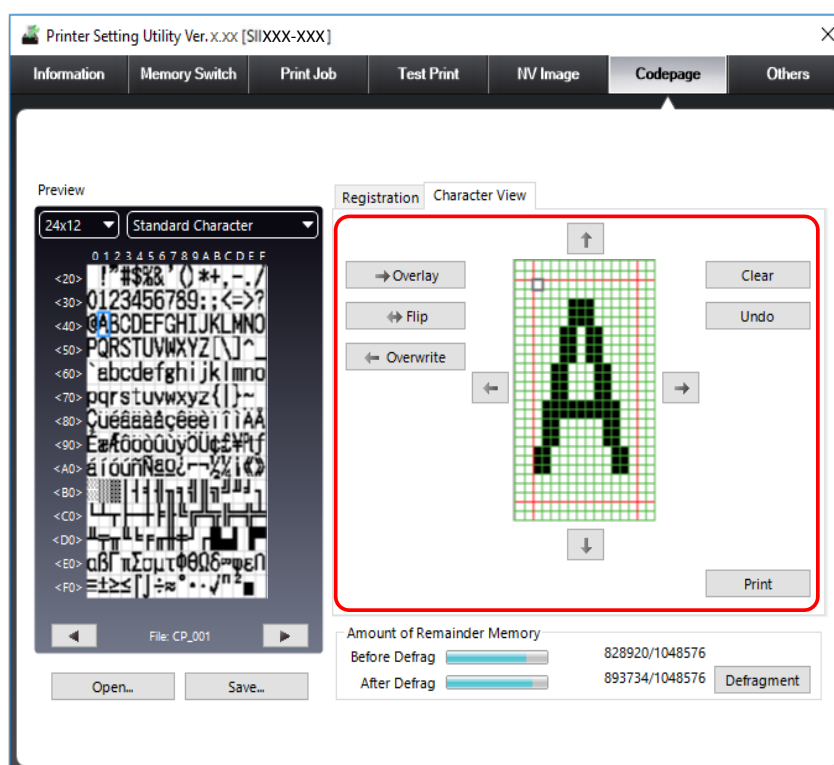



Figure 3-15 [Character View] Screen


Item	Description
Character View	<p>Each character of the font data displayed in [Preview] can be edited.</p> <p>When clicking (left clicking) the mouse or pressing the spacebar on a white square, it turns black, and dragging with holding the mouse clicking can draw a line.</p> <p>When right clicking or pressing the "Delete" key on a black square, it turns white, and dragging with holding the mouse right clicking can change black squares to white continuously.</p>
Overlay	<p>Overlays the character selected in [Preview] with [Character View].</p> <p>Even when there is already an image in [Character View], it is not cleared by overlaying.</p> <p>Not available when [Font Data List] of the [Registration] tab contains no font data or when an uneditable part of the international characters is selected.</p>
Flip	<p>Replaces the character selected in [Preview] with the character in [Character View].</p> <p>Not available when [Font Data List] of the [Registration] tab contains no font data or when an uneditable part of the international characters is selected.</p> <p>Also, the outside of the red lines in [Character View] is not reflected on [Preview].</p>
Overwrite	<p>Overwrites the character currently selected in [Preview] with the character displayed in [Character View].</p> <p>Not available when [Font Data List] of the [Registration] tab contains no font data or when an uneditable part of the international characters is selected.</p> <p>Also, the outside of the red lines in [Character View] is not reflected on [Preview].</p> <p>Clicking this button clears the image in [Character View].</p>

Item	Description
	Shifts the character displayed in [Character View] to the corresponding direction by 1 dot each time clicking one of the buttons. Any data that goes outside [Character View] is not retained.
Clear	Clears all drawing in [Character View] to be blank. Not available when nothing is drawn in [Character View].
Undo	Returns the state in [Character View] to the preceding state. Enabled only once.
Print	Prints the content of [Character View]. Not available when nothing is drawn in [Character View].


Registration of Codepage

The procedures for registering a codepage are described below.

Registration Procedure When Creating New Font Data

1. Click the  [Make new font data] button on the [Registration] tab.
2. Enter [Size], [Type], and [Name or Country] of the new file added to [Font Data List].
3. Select the [Character View] tab and edit the character of each address.
4. Select the [Registration] tab, and then select the file in which the characters have been edited from [Font Data List].
5. Click the [Register to Printer] button on the [Registration] tab.

Registration Procedure When Specifying Font Data File

1. Click the  [Open font data] button.
2. In the [Open] dialog, specify the font data file to be registered.
3. Click the [Open] button in the [Open] dialog.
4. Enter [Size], [Type], and [Name or Country] of the file added to [Font Data List]. (When the font data file is binary data, the size and the type are automatically determined by the data amount.)
5. Select the added file from [Font Data List] in the [Registration] tab.
6. Click the [Register to Printer] button in the [Registration] tab.

Registration Procedure When Loading Settings and Images of Font Data File

1. Click the [Open...] button in the [Codepage] screen.
2. From the [Open] dialog, specify a saved font data file.
3. Click the [Open] button in the [Open] dialog.
4. Select the loaded file from [Font Data List] in the [Registration] tab.
5. Click the [Register to Printer] button in the [Registration] tab.

Editing Font Data

The procedure for editing font data is described below.

1. Select the font data to edit from [Font Data List] in the [Registration] tab.
2. Select the [Character View] tab.
3. Select a character to edit from [Preview].
4. Click the [Overlay] button.
5. Edit the selected character in the [Character View] tab.
6. In [Preview], set the position to register the edited character.
7. Click the [Overwrite] button.

Saving Settings and Images of Font Data

The procedure for saving the codepage settings and image as a font data file is described below.

1. Click the [Save...] button in the [Codepage] screen.
2. In the [Save As] dialog, specify the location and file name to save the font data file.
3. Click the [Save] button in the [Save As] dialog.

3.2.8 Others

Exports the settings of this software to a file, or imports an exported file.

The setting content to be imported or exported is the printer driver setting information (including the ControlA font setting information).

Select [Others] in the utility panel and display the screen below.

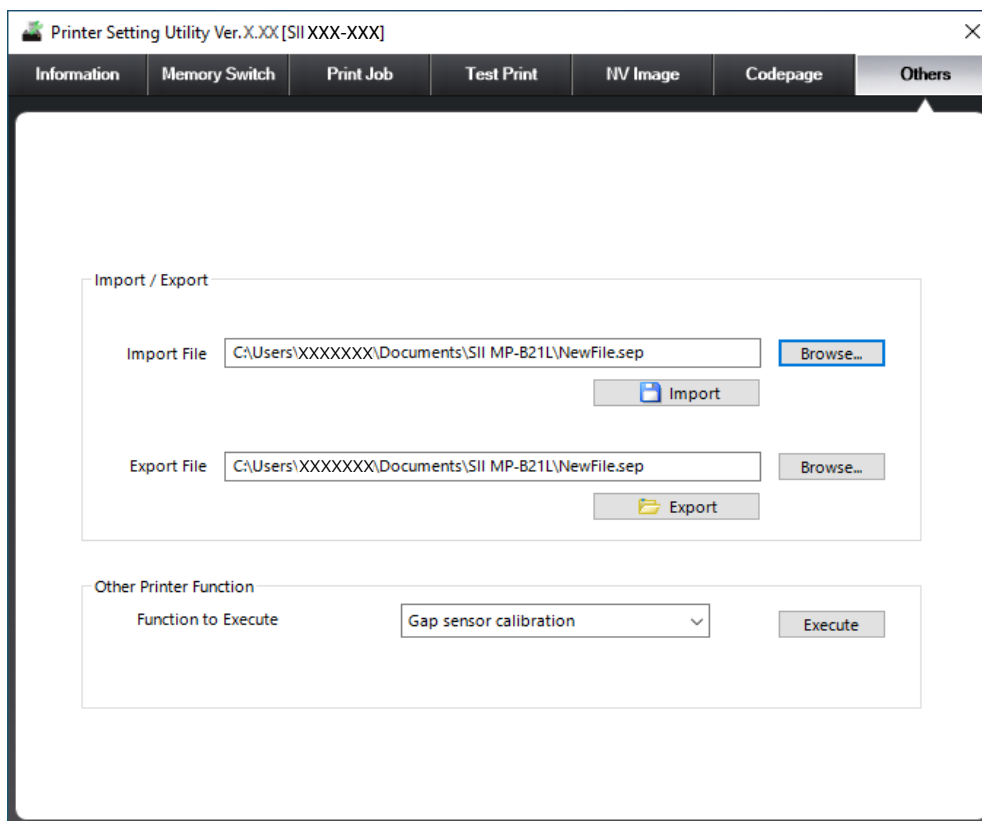


Figure 3-16 [Others] Screen (Example)

Item	Description
Import/Export	
Import File	Used to enter the file name of the saved export file (*.sep). Alternatively, specify the save destination and file name of the file to import in the [Open] dialog from the [Browse...] button next to the [Import File] field.
Browse...	Used to specify the export file to import from the [Open] dialog. The specified content is displayed in the [Import File] field.
Import	Imports the printer driver setting information (including the ControlA font setting information) from the file specified in the [Import File] field. Not available to import export files exported in different language environments. In addition, when [Paper Size] for the import file is the user defined paper, the settings may not be reflected.
Export File	Used to enter the file name of the export file. Alternatively, specify the save destination and file name in the [Save As] dialog from the [Browse...] button next to the [Export File] field.
Browse...	Used to specify the location and file name to save the export file from the [Save As] dialog. The specified content is displayed in the [Export File] field.

Item		Description
	Export	Exports the printer driver setting information (including the ControlA font setting information) to the file specified in the [Export File] field.
MP-B21L, MP-B30L, MP-B30		
Other Printer Function		
	Function to Execute	Select the other printer functions. For details of the functions, see the "Technical Reference".
	Execute	Executes selected functions.

Importing Settings

The procedure for importing the settings is described below.

1. Click the [Browse...] button next to the [Import File] field.
2. Select the file to import from the [Open] dialog.
3. Click the [Open] button in the [Open] dialog.
4. Click the [Import] button.

Exporting Settings

The procedure for exporting the settings is described below.

1. Click the [Browse...] button next to the [Export File] field.
2. In the [Save As] dialog, specify the save destination and file name of the export file.
3. Click the [Save] button in the [Save As] dialog.
4. Click the [Export] button.