



# SII Printer Setting Utility for Windows User's Guide

Rev.03

[Products]

SLP720RT Series

SLP721RT Series

Seiko Instruments Inc.

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# Introduction

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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

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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 and SLP720RT
- Operating instructions with a mouse and a keyboard

### Operating System Abbreviations

The operating system abbreviations used in this manual are listed below.  
When an individual description is necessary, the description is written in parentheses behind the abbreviation.

Operating System	Abbreviation
General Microsoft® Windows®	Windows
Microsoft® Windows® 11	Windows 11
Microsoft® Windows® 11 IoT Enterprise	
Microsoft® Windows® 10	Windows 10
Microsoft® Windows® 10 IoT Enterprise	
Microsoft® Windows Server® 2022	Windows Server 2022
Microsoft® Windows Server® 2019	Windows 10 (Windows Server 2019)
Microsoft® Windows Server® 2016	Windows 10 (Windows Server 2016)

## 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]
Technical Reference	Technical Reference shown as follows: · SLP720RT SERIES THERMAL PRINTER TECHNICAL REFERENCE · SLP721RT SERIES THERMAL PRINTER TECHNICAL REFERENCE
User's Guide	User's Guide shown as follows: · SLP720RT SERIES Thermal Printer USER'S GUIDE · SLP721RT SERIES Thermal Printer USER'S GUIDE
Printer command	Instruction to control the printer, described in "Technical Reference"
Test print command	Instruction to execute the test print in the software Command group to be entered in the [Command List] of [Test Print] screen
Memory switch	Feature for [Function Settings] described in "User's Guide"
NV image	Image data registered in the NV memory (non-volatile memory) in the printer
IPD*1 font	Generic name of the following fonts specific to the software · 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	A unit that configures the print SLP720RT/SLP721RT series print with dot density of 8 dots per 1 mm.

\*1 : Integrated Printer Driver

## Symbols

The symbols used in this manual are described below.

### Caution

◆ Notes and limitations are described.

### Reference

◆ Supplemental information and related matters are described.

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# Chapter 1 Overview

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This chapter describes the overview of the software.

The software is included with the printer driver and operates using the printer driver.

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

## 1.1 Target Products

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The products covered by the software are as follows.

Printer	Interface	Printer Driver
SLP720RT Series	USB	"SII Printer Driver for Windows" for SLP720RT/SLP721RT series
	TCP/IP	
SLP721RT Series	USB	
	Bluetooth	
	TCP/IP	

## 1.2 Operating Conditions

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The operating conditions of the 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" for SLP720RT/SLP721RT series.

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# Chapter 2 Installation

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The software is installed at the same time with the printer driver.

For the installation procedure of the printer driver, see the installation part of "SII Printer Driver for Windows User's Guide" for SLP720RT/SLP721RT series.



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# Chapter 3 Method of Operation

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This chapter describes how to operate the software.

## 3.1 Startup

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The startup procedures of the software are described below.

Start the software by one of the following methods.

### **Start from Start Menu or Start Screen**

- **For Windows 11:**

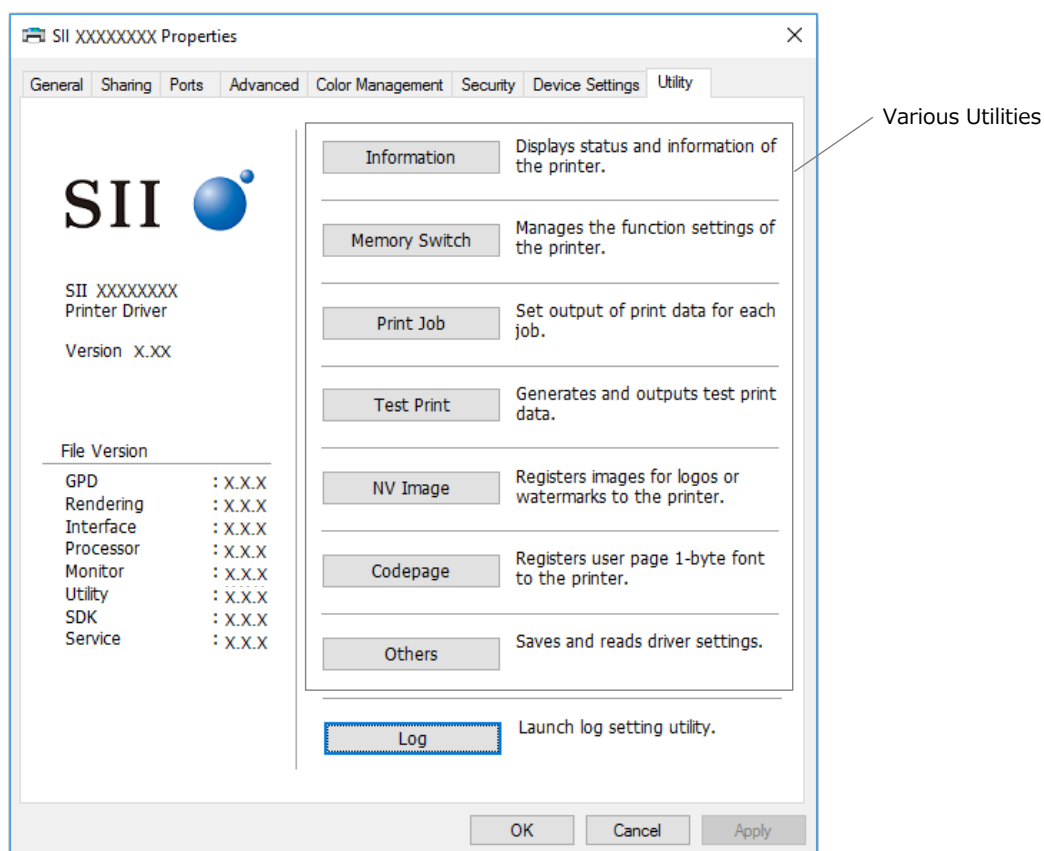
1. Select [All apps] - [Smart Label Printer RT Series] - [Printer Setting Utility] from the Start menu.
2. When there is only one installed printer driver, the software starts up.
3. When there are 2 or more installed printer drivers, the list of printer names is displayed. Select the printer name and click the [Execute] button, and then the software starts up.

- **For Windows 10 and Windows Server 2022:**

1. Select [Smart Label Printer RT Series] - [Printer Setting Utility] from the Start menu.
2. When there is only one installed printer driver, the software starts up.
3. When there are 2 or more installed printer drivers, the list of printer names is displayed. Select the printer name and click the [Execute] button, and then the software starts up.

## **Start from Printer Properties**

1. Display the sub menu by right clicking the printer icon displayed in [Printer Folder].
2. Select [Printer Properties] from the displayed sub menu.
3. Select the [Utility] tab in [Printer Properties] to display the following screen.  
Click the Various Utilities button in the [Utility] tab, and then the software starts up.



**Figure 3-1 [Utility] Screen**

## **Caution**

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

## 3.2 Screen Structure

The screen structure of the software is described.

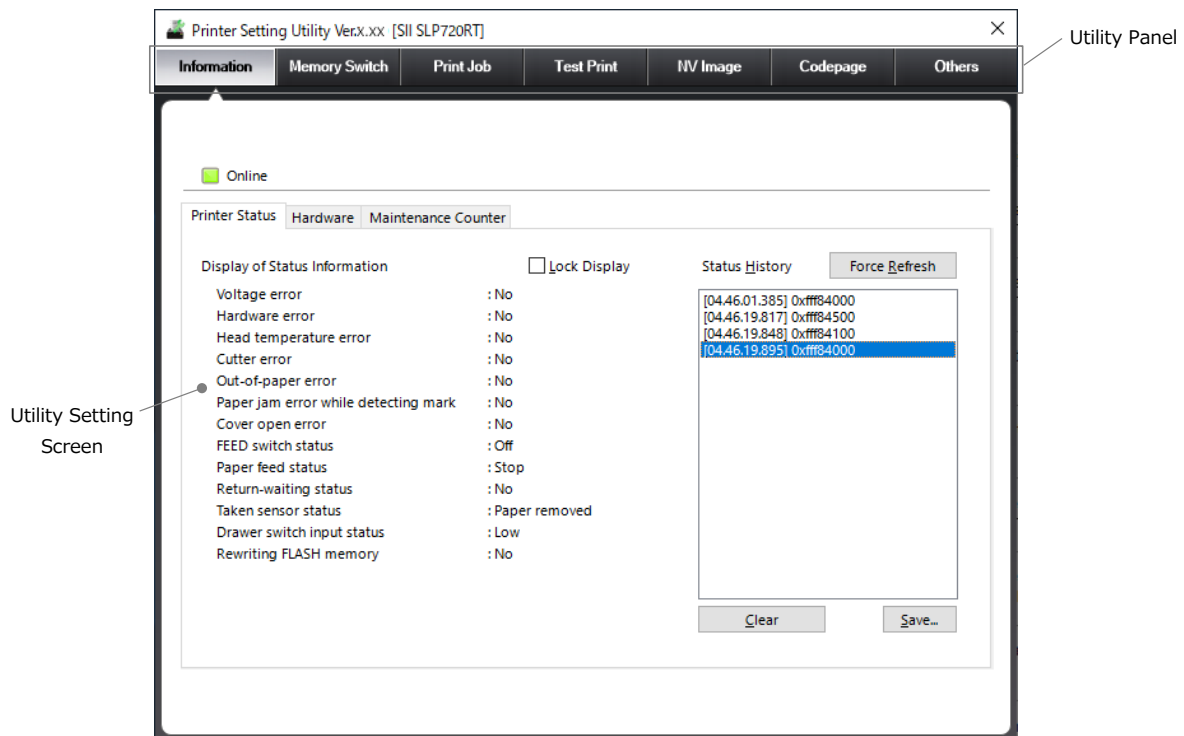


Figure 3-2 Utility Setting Screen

### 3.2.1 Utility Panel

Various functions are displayed in the utility panel. By clicking the name of each function, you can move to other functions. See "3.3 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 the software to a file, or imports an exported file.

### 3.2.2 Utility Setting Screen

Information display or setting of each function can be performed. See "3.3 Functions" for details of each function.

# 3.3 Functions

The functions of the software are described.

## 3.3.1 Information

Displays various information of the printer.  
Start the software in the procedure of "3.1 Startup" and display the screen below.

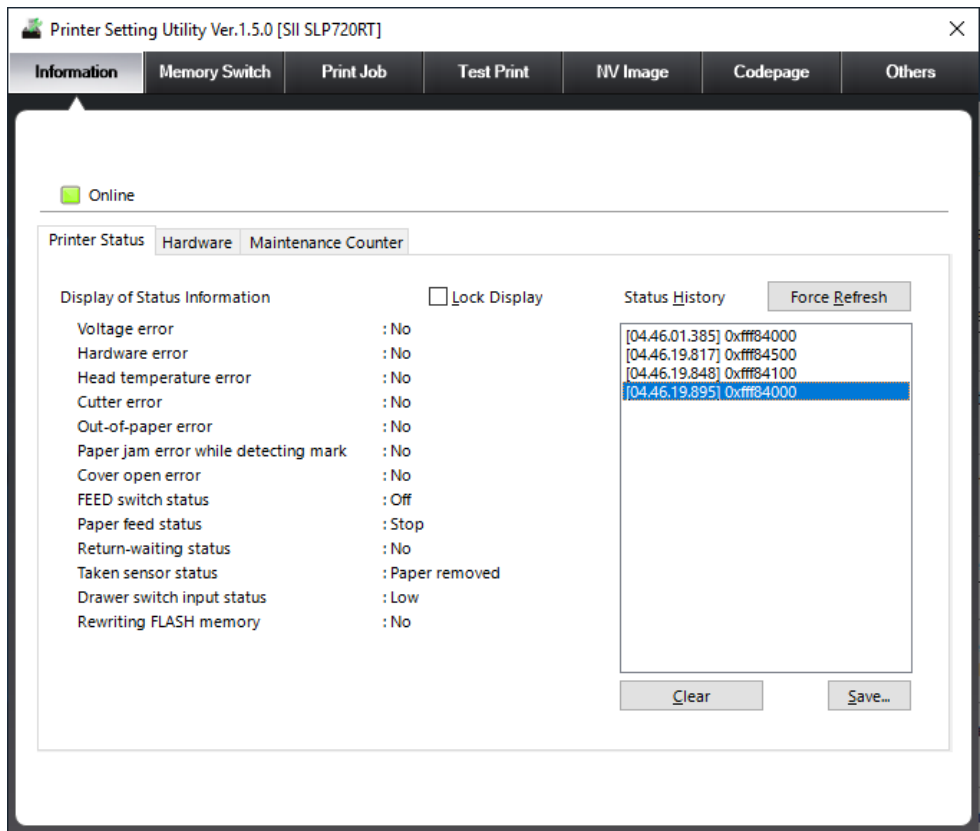


Figure 3-3 [Information] Screen

Item	Description
Connection state	Displays the connection state with the printer. Online (Indicator: green) Offline (Indicator: gray)

## Display of Printer Status

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

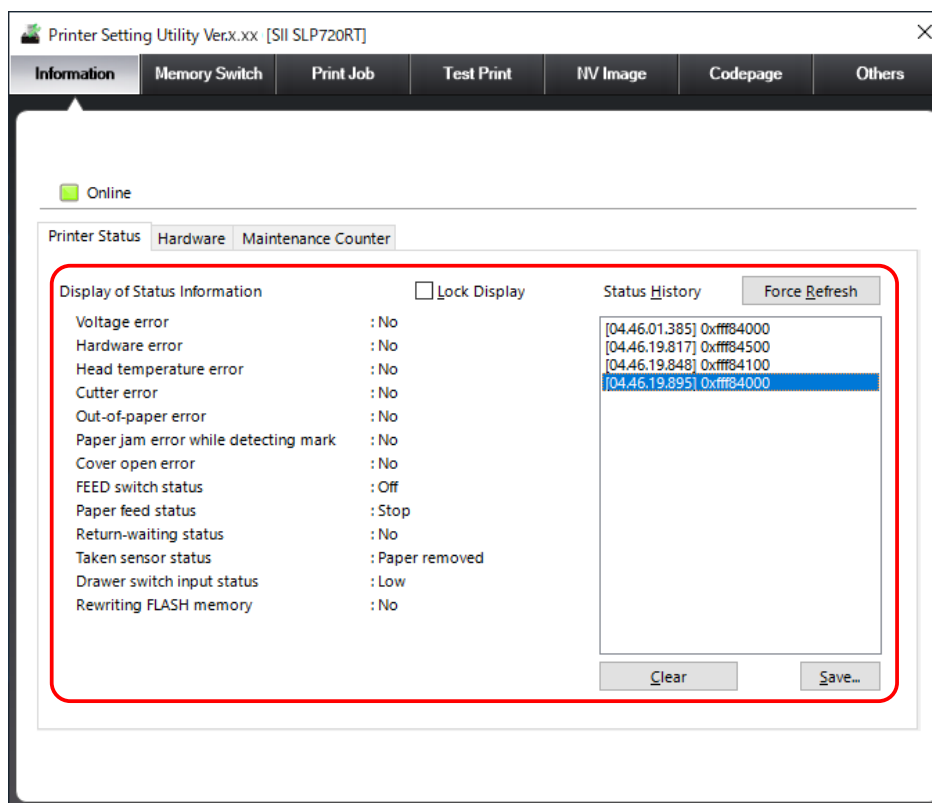


Figure 3-4 [Printer Status] Screen

Item	Description
Display of Status Information	Displays the printer status information. <sup>*1</sup> Displays the status information selected in [Status History].
Lock Display	Used to select whether to lock the selection state of [Status History]. <sup>*2</sup> When the check box is off <ul style="list-style-type: none"> <li>The latest printer status is always selected in [Status History], and every time the printer status changes, [Status History] automatically scrolls.</li> </ul> When the check box is on <ul style="list-style-type: none"> <li>Even when the printer status changes, the information is not updated and [Status History] does not automatically scroll.</li> </ul>
Status History	Displays the response history of the printer status in a list. <ul style="list-style-type: none"> <li>Response time: [hh.mm.ss.fff] (hour: 00 to 23, minute: 00 to 59, second: 00.000 to 59.999)</li> <li>Response content: The printer status is displayed in hexadecimal (32 bits)<sup>*3</sup> <sup>*4</sup></li> </ul>
Clear	Clears all status information displayed in [Status History]. <sup>*2</sup>
Force Refresh	Issues the printer command to forcibly get the printer status. <sup>*5</sup>
Save...	Saves the data of [Status History] as a text file (*.csv). <sup>*2</sup> <sup>*6</sup>

<sup>\*1</sup>: When the information cannot be retrieved from the printer, "-" is displayed instead of the state.

<sup>\*2</sup>: Not available when [Status History] is blank.

<sup>\*3</sup>: For details of the status, see "List of Status".

\*4: Up to 100 history entries can be displayed in [Status History]. When the limit is exceeded, oldest ones are removed.

\*5: When newly retrieved printer status is the same as the last one, the display is not updated.

\*6: When click the [Save...] button, the data contained in [Status History] at that time will be saved. Later printer status responses will not be included in the saved file.

## List of Status

The following corresponding bits are displayed as a hexadecimal (32 bits) format in [Status History]:

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)
Cutter error	0x00000008	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)
Taken Sensor	0x00002000	0: Paper removed 1: Paper removal waiting
Drawer switch input status <sup>*1</sup>	0x00008000	0: Low 1: High
Rewriting FLASH memory	0x00010000	0: No 1: Yes (Rewriting)

\*1: Supported only by SLP721RT.  
Low is fixed in SLP720RT.

An acquirable response value can be found by adding the above value.  
However, all bits turn 0 for disconnection or communication error.

## Reference

- ◆ The values not described above are reserved.
- ◆ When a disconnection or communication error occurs, other status data is ignored.

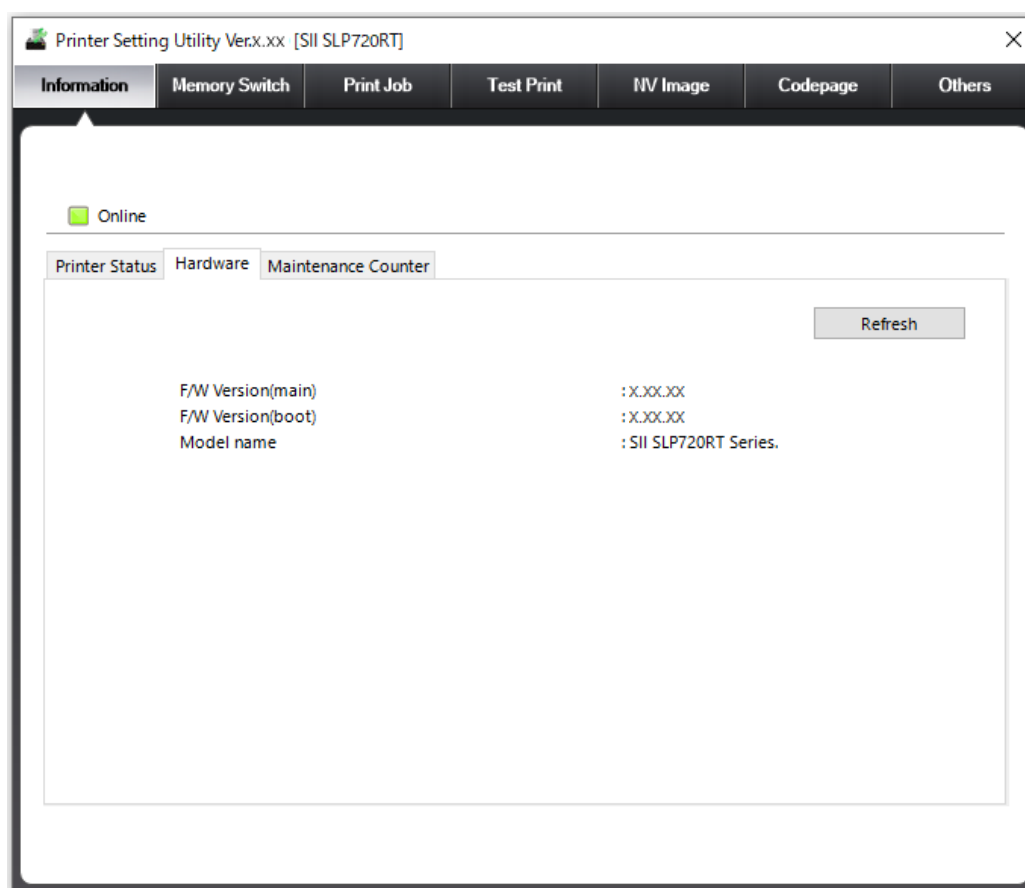
## **Saving Status History**

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.

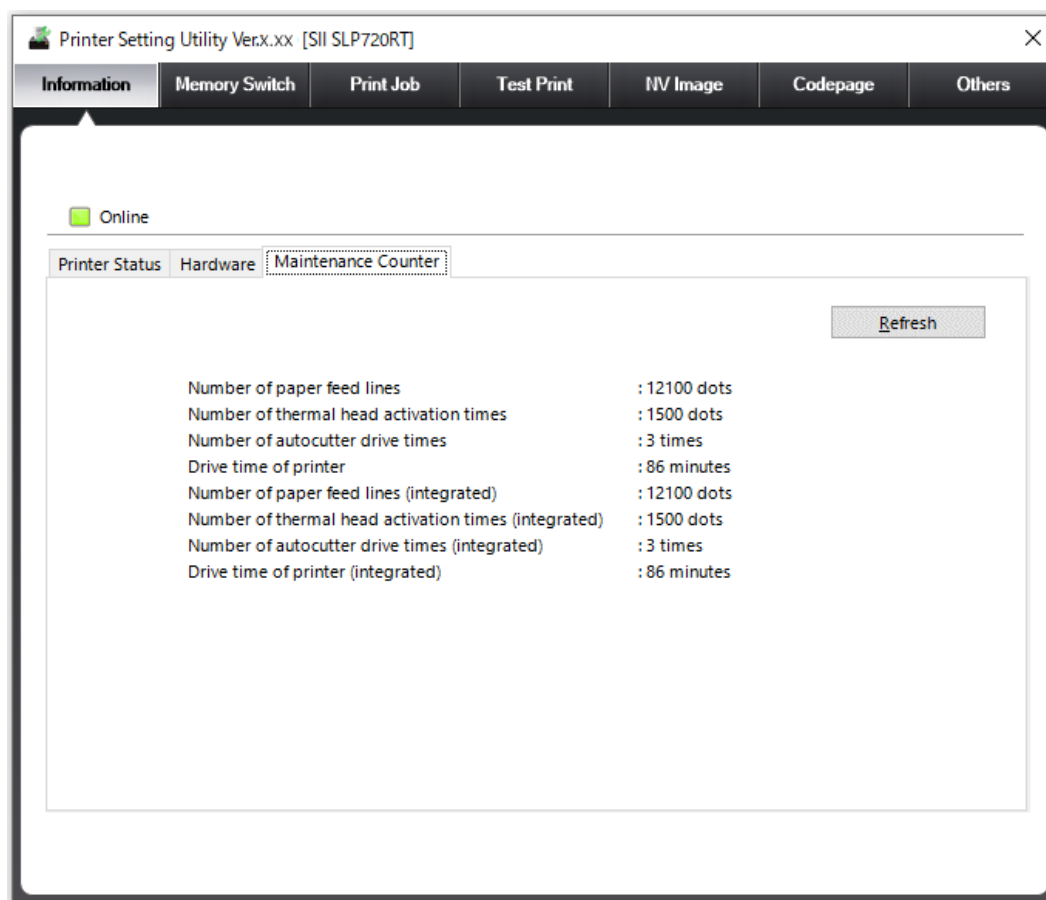


**Figure 3-5 [Hardware] Screen**

Item	Description
Hardware	Displays the following hardware information retrieved from the printer. <ul style="list-style-type: none"><li>• F/W Version(main)</li><li>• F/W Version(boot)</li><li>• Model name</li></ul>
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 3-6 [Maintenance Counter] Screen**

Item	Description
Maintenance Counter	Displays the following maintenance counter values. <ul style="list-style-type: none"><li>• Number of paper feed lines</li><li>• Number of thermal head activation times</li><li>• Number of autocutter drive times</li><li>• Drive time of printer</li><li>• Number of paper feed lines (integrated)</li><li>• Number of thermal head activation times (integrated)</li><li>• Number of autocutter drive times (integrated)</li><li>• Drive time of printer (integrated)</li></ul>
Refresh	Gets the maintenance counter values from the printer again.



### 3.3.2 Memory Switch

Sets the memory switches.

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

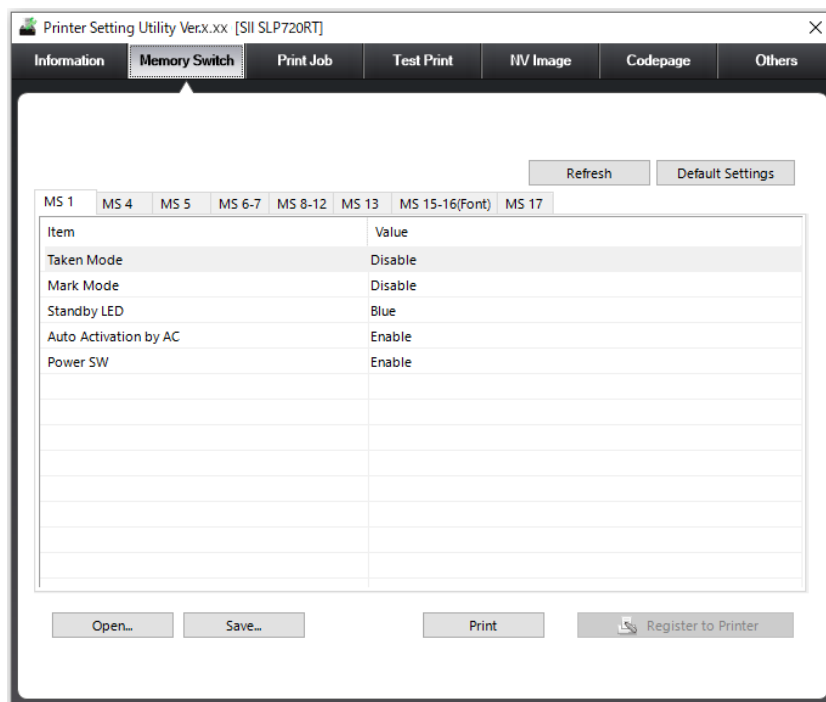


Figure 3-7 [Memory Switch] Screen

## Caution

- ◆ [Register to Printer] of the memory switch requires login to the computer with administrator privileges.

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.* <sup>1</sup> See "User's Guide" for the factory default settings of the memory switch.
[MS] tabs	Used to switch the display of the memory switch items.
Item	Displays item names of the memory switch function.
Value	Displays the values of the memory switch retrieved from the printer or memory switch file. 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. * <sup>2</sup> * <sup>3</sup> When the loaded value is changed, it is displayed in red. "---" is displayed and editing is not possible when information cannot be retrieved from the printer at starting the memory switch.

Item	Description
Open...	Loads the saved memory switch file (*.sms) and displays the settings.* <sup>1</sup>
Save...	Saves the settings on the current screen as a memory switch file (*.sms).* <sup>1</sup>
Print	Prints the current settings of the printer.* <sup>1</sup>
Register to Printer	Changes the printer settings with the setting content displayed on the screen.* <sup>1</sup> * <sup>4</sup>

\*1: Not available when the value is not retrieved from the printer.

\*2: The settings are not reflected until [Register to Printer] is clicked.

\*3: A value that is out of the range is automatically rounded to a value within the range.

\*4: Not available when the value retrieved from the printer is not changed.

## 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.

### 3.3.3 Print Job

Sets the print data output per job.  
Select [Print Job] in the utility panel and display the screen below.

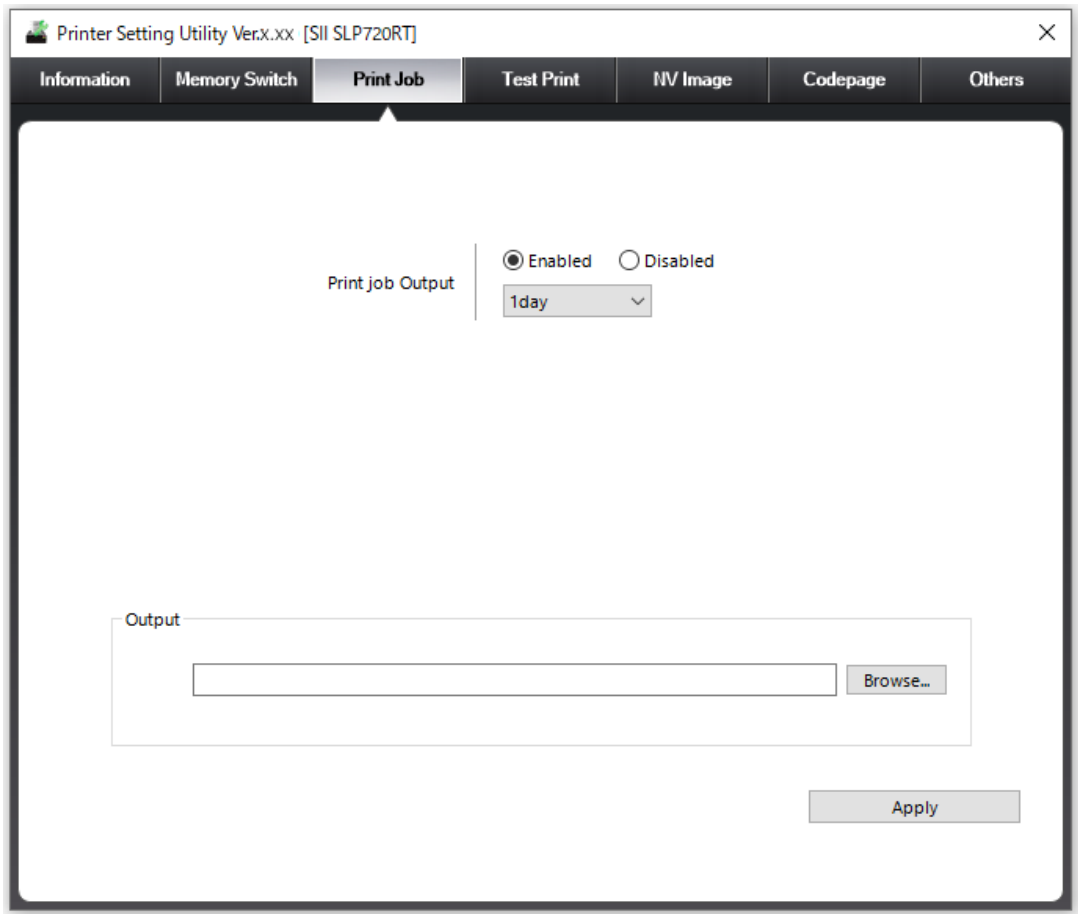


Figure 3-8 [Print Job] Screen

Item	Description ("": Initial Value)
Print job Output	<p>Enables or disables the print job information output.*1</p> <ul style="list-style-type: none"><li>• Enabled</li><li>• Disabled</li></ul> <p>When "Enabled" is selected, select the retention period.</p> <ul style="list-style-type: none"><li>• 1 day</li><li>• 3 days</li><li>• 10 days</li><li>• 30 days</li><li>• 90 days</li></ul> <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>

Item	Description ("": Initial Value)
Output*2 *5 *6	<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.*3</p> <p>The print job information is saved as a print job file (*.pm) per job with a file name indicating the time &lt;hhmm_ss(fff)&gt; of when the file is created.*4</p> <p>The saved print job information is stored in a folder per date (folder name &lt;yyyyMMdd&gt;).</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].*3</p>
Apply	Determines the output destination and starts the print job output.

\*1: When this function is used in a printer sharing environment, it cannot be set from the client side.

\*2: Privileges to the folder are required to write print jobs.

\*3: Not available when [Print job Output] is set to "Disabled".

\*4: 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

\*5: When multiple users use the same folder, specify a folder that can be accessed by all users.

\*6: The maximum path length that can be set is 260 characters.

## 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.

### 3.3.4 Test Print

Executes the test print with arbitrary content.

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

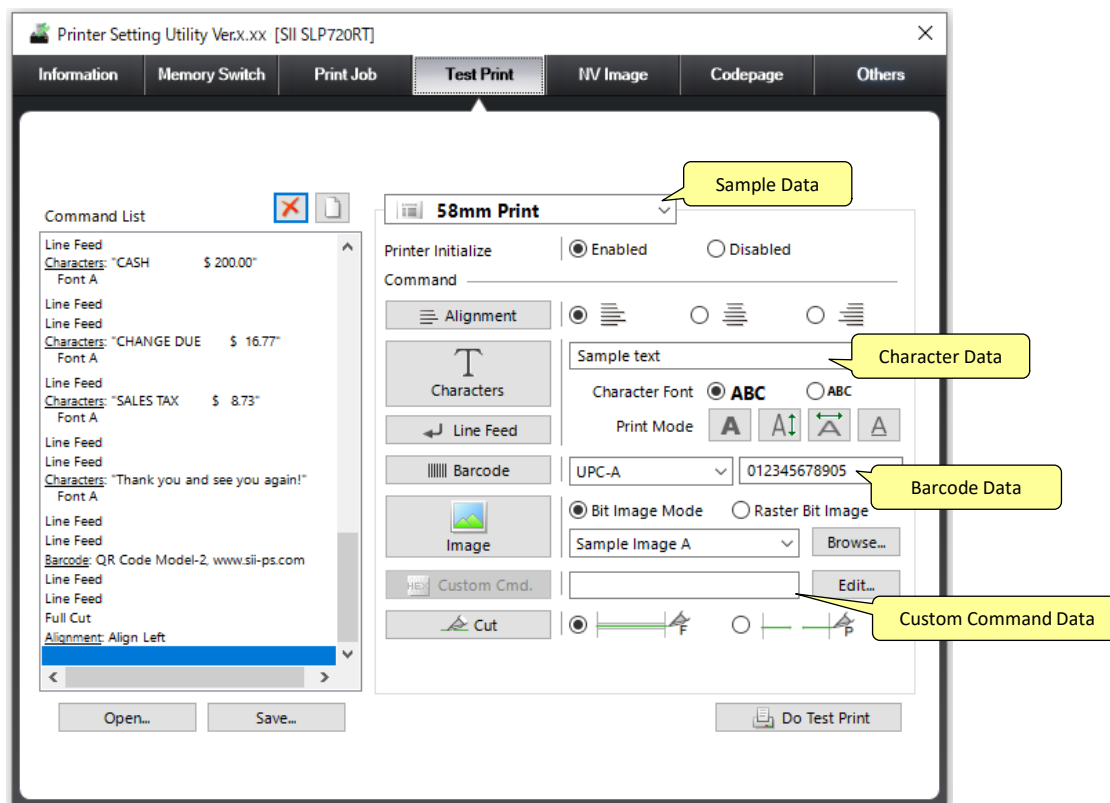











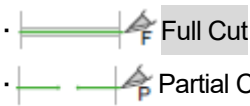


Figure 3-9 [Test Print] Screen

Item	Description ("": Initial Value)
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]. <sup>*1</sup>
 Delete	Deletes the test print command currently selected in [Command List] from [Command List]. <sup>*2</sup> When the blank line at the bottom is being selected in [Command List], the test print command just above the line is deleted.
 New	Clears all test print commands in [Command List]. <sup>*2</sup>
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).
Sample Data	Displays the preset test print contents in [Command List]. <sup>*3</sup> <ul style="list-style-type: none"> <li>• 58mm print</li> <li>• 40mm print</li> <li>• Barcode</li> <li>• Custom</li> </ul>

Item	Description ("": Initial Value)
Printer Initialize	Sets whether or not to initialize the printer by the printer command "Printer Initialize" when starting the test print.*4 <ul style="list-style-type: none"> <li>• Enabled</li> <li>• Disabled</li> </ul>
Command	Sets parameters about the contents of the test print.
Alignment	Adds a position to print characters, barcodes, and images to [Command List]. The alignment setting remains valid until another test print command of alignment is inserted next. <ul style="list-style-type: none"> <li>•  Align Left</li> <li>•  Centered</li> <li>•  Align Right</li> </ul>
Characters	Adds the characters entered in [Character Data] in batch along with the settings of [Character Font] and [Print Mode] to [Command List].*5 *6 *7 *8
Character Data	Used to enter a character string for the test print. Both 1-byte character and 2-byte character can be entered up to 64 characters.
Character Font	Sets the font size. <ul style="list-style-type: none"> <li>•  Font A (24x12)</li> <li>•  Font B (16x8)</li> </ul>
Print Mode	Sets the print mode. Each button is turned "on" or "off" each time it is clicked. When turned "off", its setting is not displayed in [Command List] when adding the test print command. <ul style="list-style-type: none"> <li>•  Bold Print</li> <li>•  Double Height</li> <li>•  Double Width</li> <li>•  Underline</li> </ul>
Line Feed	Adds a test print command of [Line Feed] to [Command List]. 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].

Item		Description ("": Initial Value)
	Barcode	Adds the barcode type and the data entered in [Barcode Data] to [Command List] in batch.* <sup>9</sup>
	Barcode Type	<p>Selects the barcode type for the test print.</p> <ul style="list-style-type: none"> <li>• <b>UPC-A</b></li> <li>• UPC-E</li> <li>• JAN13 (EAN13)</li> <li>• JAN8 (EAN8)</li> <li>• CODE39</li> <li>• ITF</li> <li>• CODABAR</li> <li>• CODE128*<sup>10</sup></li> <li>• CODE93*<sup>11</sup></li> <li>• JAN13 (EAN13) add-on 2</li> <li>• JAN13 (EAN13) add-on 5</li> <li>• GS1 Databar Omni-directional</li> <li>• GS1 Databar Truncated</li> <li>• GS1 Databar Limited</li> <li>• GS1 Databar Expanded</li> <li>• QR Code Model-2</li> <li>• PDF417*<sup>12</sup></li> <li>• Data Matrix</li> <li>• Maxi Code*<sup>13</sup></li> <li>• GS1 Databar Stacked</li> <li>• GS1 Databar Stacked Omni-directional</li> <li>• GS1 Databar Expanded Stacked</li> </ul>
	Barcode Data* <sup>14</sup>	Used to enter barcode print data in character string. Up to 64 characters can be entered.
	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.*<sup>15</sup></p> <ul style="list-style-type: none"> <li>• <b>Bit Image Mode</b></li> <li>• Raster Bit Image</li> </ul>
	Image Selection	<p>Sets the image data to be used for image printing.</p> <ul style="list-style-type: none"> <li>• <b>Sample Image A</b></li> <li>• Sample Image B</li> <li>• User Specified Image</li> </ul> <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>
	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.* <sup>16</sup>

Item	Description ("": Initial Value)
Custom Cmd.	Adds the printer command entered in [Custom Command Data] to [Command List]. <sup>*17</sup>
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" for SLP720RT/SLP721RT series.
Cut	Adds the setting of [Cut Type] to [Command List].
Cut Type	Sets the cut method. 
Drawer <sup>*18</sup>	Adds the test print command of the drawer to [Command List].
Drive Drawer	Sets the drawer to be driven. <ul style="list-style-type: none"> <li>· 1 (Drawer 1 is driven)</li> <li>· 2 (Drawer 2 is driven)</li> </ul>
ON Time OFF Time	Sets the ON time and the OFF time of pulse in an even number. (Unit: ms) <sup>*5</sup> <ul style="list-style-type: none"> <li>· 2 to 510 (ON time: 50, OFF time: 200)</li> </ul>
Do Test Print	Sends all test print commands in [Command List] to the printer.

\*1: 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.

\*2: Not available when [Command List] is blank.

\*3: In the case of selecting other than "Custom" for [Sample Data], [Sample Data] is changed to "Custom" by the following operations:

- Changing the contents of the displayed [Command List]
- Loading a test print file (\*.stp) with the [Open] button

\*4: 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 according to the selection in [Printer Initialize] when the [Do Test Print] button or [Save...] button is clicked.

\*5: Not available when [Character Data] is blank.

\*6: Printing 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.

\*7: 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

\*8: 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" for SLP720RT/SLP721RT series.

\*9: Not available when [Barcode Data] is blank. The barcodes that exceed the print width set for the printer cannot be printed.

\*10: There are 2 methods to input data. For the input methods, see "Using CODE128" in the following page.

\*11: For the data input method, see "Using CODE93" in the following page.

\*12: Fixed to normal PDF417.

\*13: Fixed to Mode5.

\*14: The data input method differs from the one used for barcode font. For the data to be input, input the data [d] described in the following printer commands in the "Technical Reference" as a character string:

- Print Barcode
- Print PDF417



- Print QR Code
- Print Data Matrix
- Print MaxiCode (Mode5)
- Print GS1 Databar Stacked
- Print GS1 Databar Stacked Omni-directional
- Print GS1 Databar Expanded Stacked

\*15: [Print Method] is fixed to raster bit image when "Sample Image B" is selected in [Image Selection].

\*16: When clicking the [Browse...] button and selecting an image file, [Image Selection] is changed to "User Specified Image".

\*17: Not available when [Custom Command Data] is blank.

\*18: Supported only by SLP721RT.

Follow the specifications of your drawer regarding the control time of the drawer.

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 <sup>*1</sup>	SP <sup>*1</sup>	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 <sup>*1</sup>	0x44	EOT	d	68	D	0x67	START A			g

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	
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	+	)

Code	Data	ASCII CHAR	Code	Data	ASCII CHAR	Code	Data	ASCII CHAR
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.

### 3.3.5 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.

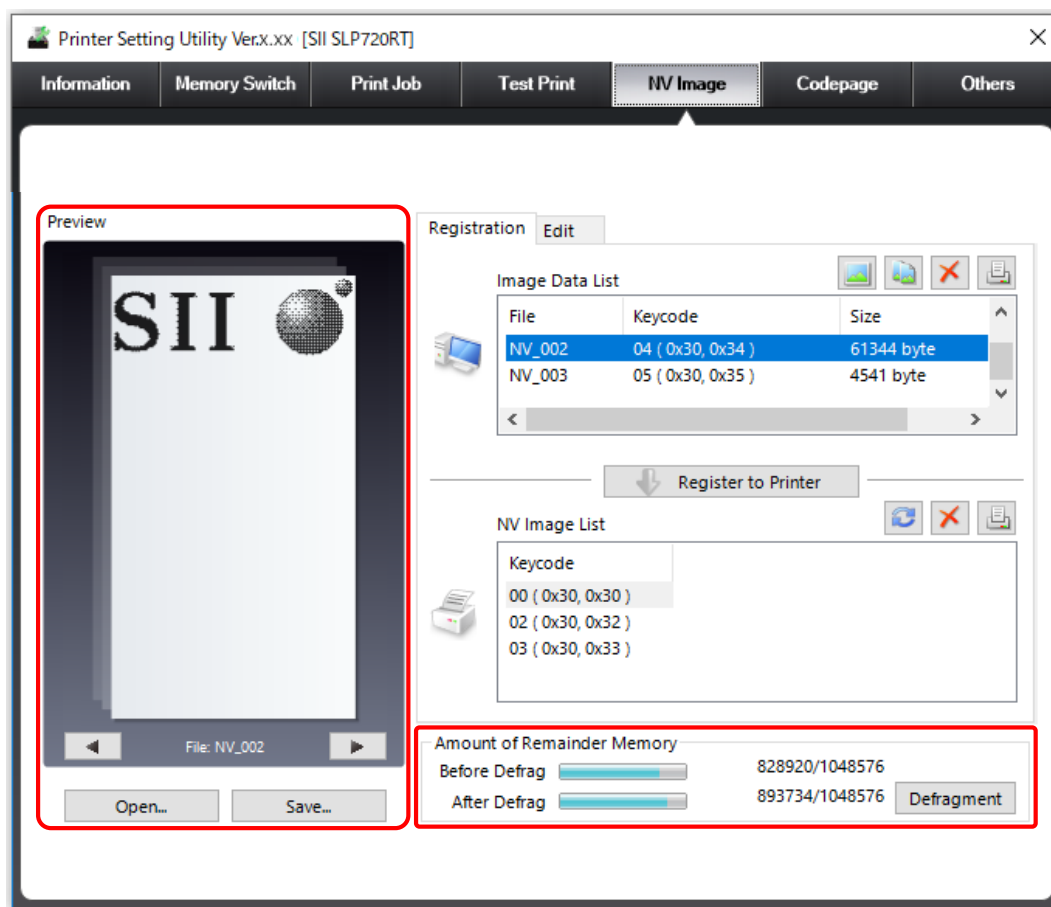





Figure 3-10 [NV Image] Screen

#### Caution

- ◆ [Register to Printer] of the [Registration] tab requires logon to the computer with administrator privileges.
- ◆  (deletion) of [NV Image List] requires logon 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.*1
 Next	Switches the image data to display in [Preview] to the next image.*1
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). <sup>*2</sup>
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.

\*1: Available only when [Image Data List] contains 2 or more image data.

\*2: Not available when [Image Data List] contains no image data.

## Setting of Registration

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

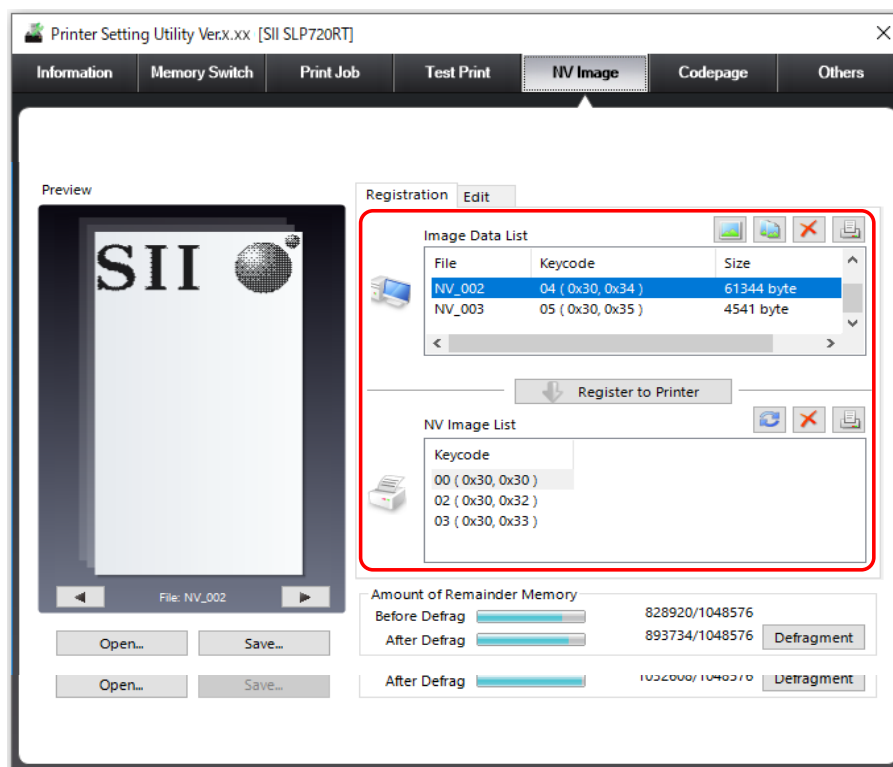









Figure 3-11 [Registration] Screen

Item	Description ("": Initial Value)
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 existed at the last time is restored.
File	The name for managing the image data to be registered to the printer.*1 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. ." " ( 0x20,0x20 ) to "99" ( 0x39,0x39 ) (automatically assigned keycode)*2
Size	Displays the data size of the image data.*1
 Open image data	Specifies an image data file and adds it to [Image Data List]. Image files(*.jpg, *.jpeg, *.bmp, *.png) can be selected.*3
 Copy image data	Duplicates the image data currently selected in [Image Data List], and adds it to [Image Data List] with a different file name.*4
 Delete image data	Deletes the image data currently selected in [Image Data List] from [Image Data List].*4
 Print image data	Prints all image data selected in [Image Data List].*4
Register to Printer	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.*4
NV Image List	Displays the list of the NV images registered in the printer.*5
Keycode	Displays the keycodes of the NV images registered in the printer.
 Refresh	Gets the NV images registered in the printer and the memory remaining amount again.
 Delete	Deletes the NV image currently selected in [NV Image List] from the printer.*6 After deletion of the image, [Amount of Remainder Memory] is also updated.
 Test Print	Prints the NV image currently selected in [NV Image List].*6

\*1: Not editable.

\*2: 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.

\*3: The specified image data is resized so as to fit in 58 mm paper width (printable (head) width: 54 mm) 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.

\*4: Not available when [Image Data List] contains no image data.

\*5: When the NV image information cannot be retrieved from the printer, "-" is displayed on the first line of the list.

\*6: Not available when [NV Image List] contains no NV image.

## Setting of Edit

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

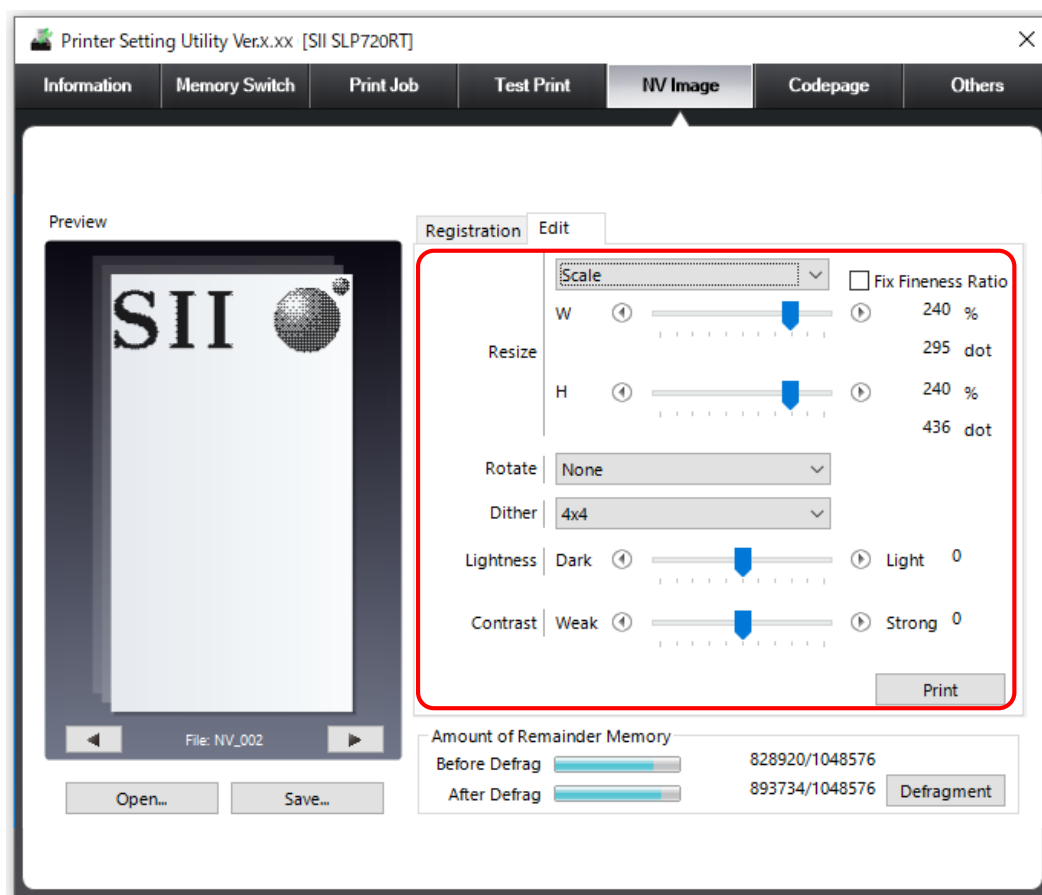


Figure 3-12 [Edit] Screen

Item	Description ("": Initial Value)
Resize	Expands or reduces the selected image data. <sup>*1</sup>
Fit 58mm Width Fit 40mm Width Scale	Used to automatically resize the image data to fit in the selected paper width. Selecting [Scale] can specify the size with [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. <sup>*2*3</sup> · 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.
Rotate	Used to rotate the image data in the selected direction and angle. <sup>*1</sup> · None · Rotate 90 degrees to right · Rotate 180 degrees · Rotate 90 degrees to left When other than [Scale] is set and the values of height and width are changed by the rotation, the selection is automatically changed to [Scale].



Item	Description ("": Initial Value)
Dither	Used to select the dithering pattern.* <sup>1</sup> · 2x2 · 4x4 · 6x6 · 8x8 · Error Diffusion
Lightness	Sets the lightness of the image data.* <sup>1*3</sup> · -100 to 100 (0)
Contrast	Sets the contrast of the image data.* <sup>1*3</sup> · -100 to 100 (0) Setting -100 makes the whole image flat.
Print	Prints the edited image data.* <sup>1</sup>

\*1: Not available when [Image Data List] contains no image data.


\*2: The [H] slider is not available when the [Fix Fineness Ratio] check box is on.

\*3: When operating the slider with the mouse, the setting is reflected to [Preview] at the timing of releasing the left mouse button.  
 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.


## 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.

### 3.3.6 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.

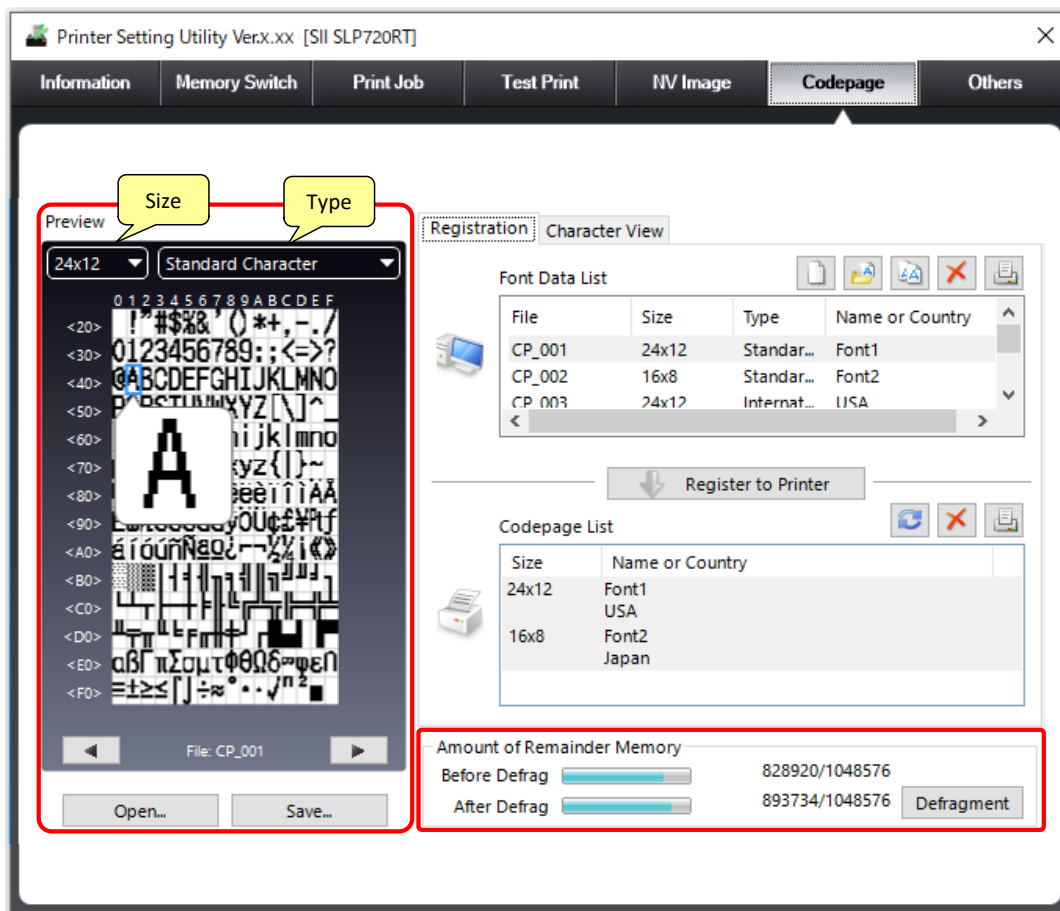





Figure 3-13 [Codepage] Screen

### Caution

- ◆ [Register to Printer] of the [Registration] tab requires logon to the computer with administrator privileges.
- ◆  (deletion) of [Codepage List] requires logon 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 ("": Initial Value)
Preview	Displays the font data selected in [Font Data List]. When placing the mouse, the enlarged image of the font in the frame is displayed. The display state of [Preview] changes depending on [Size] and [Type] of the currently selected image.
Size	Used to display or select the size of the font data currently selected in [Font Data List]. <ul style="list-style-type: none"> <li>• 24x12</li> <li>• 16x8</li> </ul> When the setting is changed, the change is reflected to [Preview], [Character View], and [Font Data List].
Type	Used to display or select the type of the font data currently selected in [Font Data List]. <ul style="list-style-type: none"> <li>• Standard Character</li> <li>• International Character</li> </ul> When the setting is changed, the change is reflected to [Preview] and [Font Data List].
 Back	Switches the font data to display in [Preview] to the preceding page.* <sup>1</sup>
 Next	Switches the font data to display in [Preview] to the next page.* <sup>1</sup>
File	Displays the file name of the font data currently displayed in [Preview].
Open...	Loads and displays the saved font data file (*.scp).
Save...	Saves the settings and images of the font data added to [Font Data List] as a font data file (*.scp). <sup>*2</sup>
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.

\*1: Available only when [Font Data List] contains 2 or more font data.

\*2: Not available when [Font Data List] contains no font data.

## Setting of Registration

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

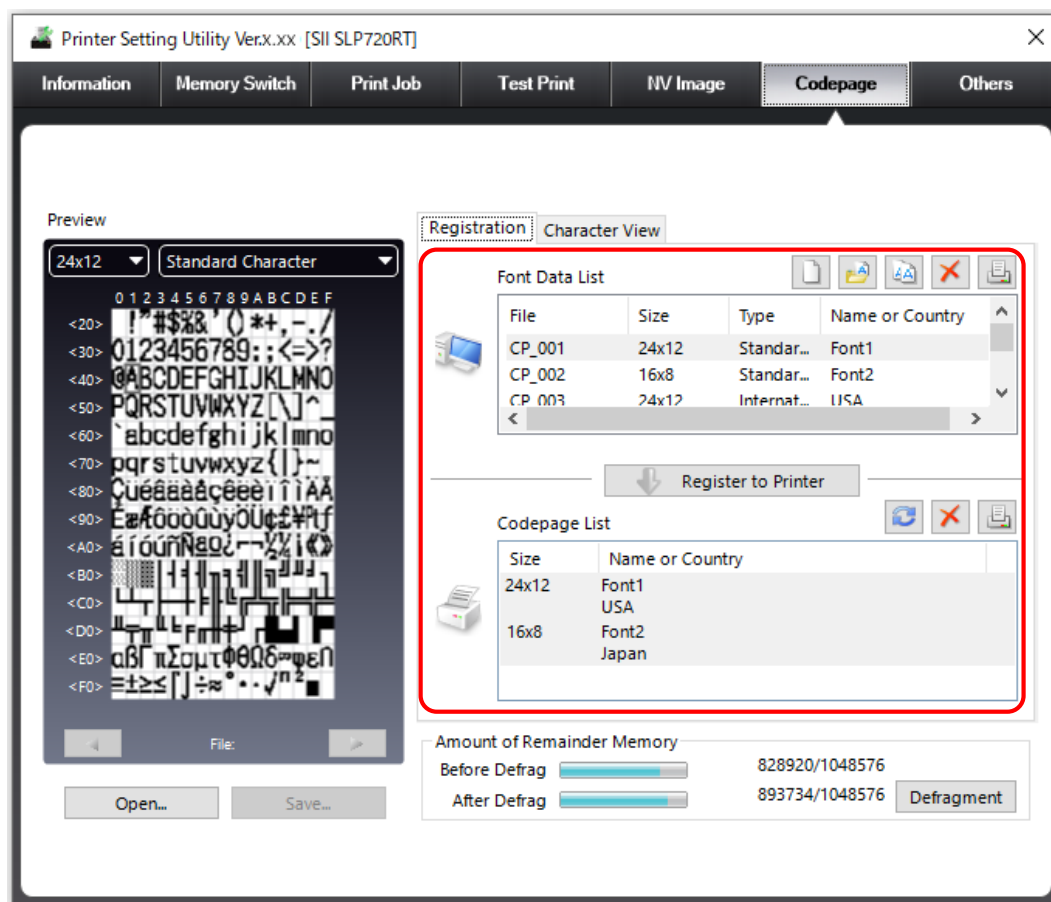










Figure 3-14 [Registration] Screen

Item	Description ("": Initial Value)
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.*1 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"> <li>• 24x12</li> <li>• 16x8</li> </ul> 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"> <li>• Standard Character</li> <li>• International Character</li> </ul> When the setting is changed, the change is reflected to [Preview].

Item		Description ("": Initial Value)
	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"> <li>• USA</li> <li>• France</li> <li>• Germany</li> <li>• United Kingdom</li> <li>• Denmark I</li> <li>• Sweden</li> <li>• Italy</li> <li>• Spain I</li> <li>• Japan</li> <li>• Norway</li> <li>• Denmark II</li> <li>• Spain II</li> <li>• Latin America</li> <li>• Arabia</li> </ul>
	 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.*<sup>2</sup></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.*<sup>3</sup></p> <p>The size, type, and font name / country name are also duplicated.</p>
	 Delete font data	<p>Deletes the font data currently selected in [Font Data List].*<sup>3</sup></p>
	 Print font data	<p>Prints the font data currently selected in [Font Data List].*<sup>3</sup></p>
	Register to Printer	<p>Registers the codepage currently selected in [Font Data List] to the printer.*<sup>4</sup></p> <p>When the codepage to be registered is already registered, a message appears confirming overwrite.</p> <p>After the registration of the codepage, [Amount of Remainder Memory] is also updated.</p>
	Codepage List	<p>Displays the codepages registered in the printer.</p> <p>The size and the font name are displayed for "Standard Character", and the size and the country name are displayed for "International Character".</p>
	Size	<p>Displays the size of the codepage registered in the printer.</p>
	Name or Country	<p>Displays the font name and the country name of the codepage registered in the printer.</p>
	 Refresh	<p>Gets the codepages registered in the printer and the memory remaining amount again.</p>

Item	Description ("": Initial Value)
 Delete	Deletes the codepage currently selected in [Codepage List] from the printer. <sup>*5</sup> After the deletion of the codepage, [Amount of Remainder Memory] is also updated.
 Test Print	Prints the codepage currently selected in [Codepage List]. <sup>*5</sup>

\*1: Not editable.

\*2: When the loaded font data file is in binary format, the size and the type are determined and reflected in [Font Data List].  
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.  
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.

\*3: Not available when [Font Data List] contains no font data.

\*4: When registering international characters, register standard characters of the same size beforehand.

\*5: 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.

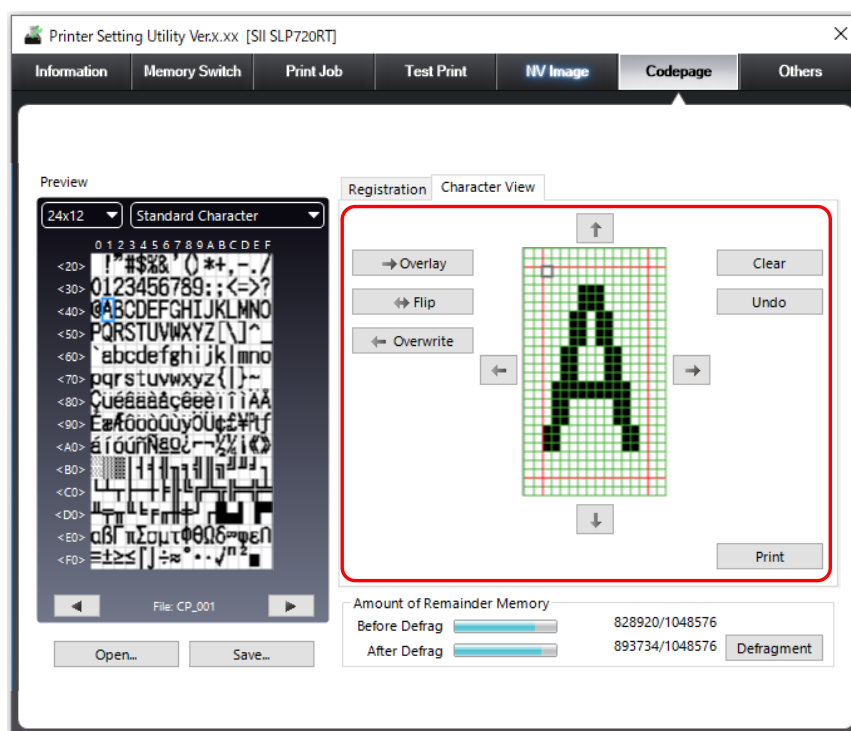



Figure 3-15 [Character View] Screen

Item	Description
Character View	Each character of the font data displayed in [Preview] can be edited. 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. 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.

Item	Description
Overlay	Overlays the character selected in [Preview] with [Character View]. <sup>*1</sup> Even when there is already an image in [Character View], it is not cleared by overlaying.
Flip	Replaces the character selected in [Preview] with the character in [Character View]. <sup>*1 *2</sup>
Overwrite	Overwrites the character currently selected in [Preview] with the character displayed in [Character View]. <sup>*1 *2</sup> Clicking this button clears the image in [Character View].
	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. <sup>*3</sup>
Undo	Returns the state in [Character View] to the preceding state. Enabled only once.
Print	Prints the content of [Character View]. <sup>*3</sup>

\*1: 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.


\*2: The outside of the red lines in [Character View] is not reflected on [Preview].

\*3: 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.

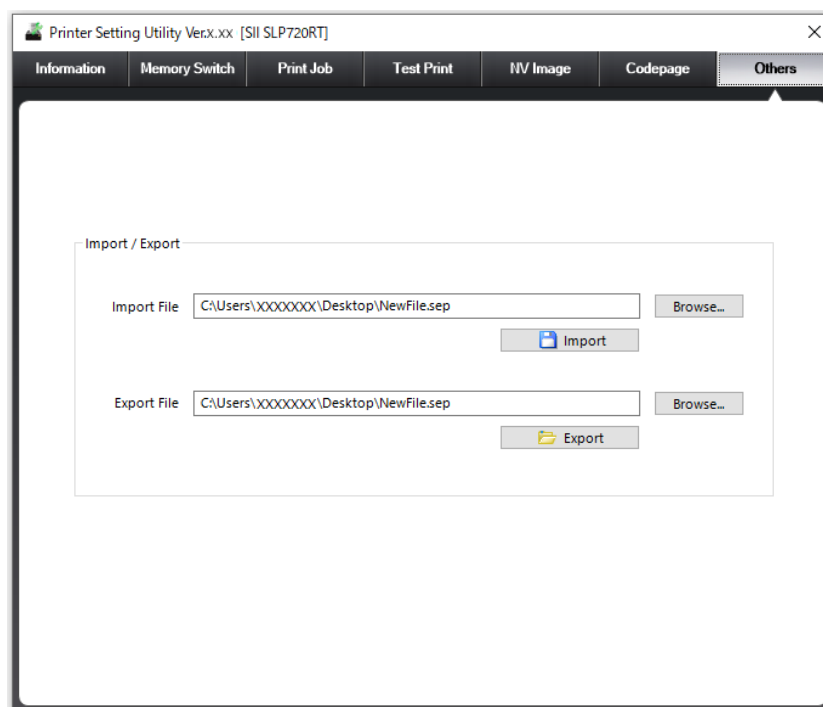
1. Click the [Save...] button in the [Codepage] screen.
2. In the [Save As] dialog, specify the location and file name to save the font data file.
3. Click the [Save] button in the [Save As] dialog.

### 3.3.7 Others

Exports the settings of the 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**

Item	Description
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.* <sup>1</sup>
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.
Export	Exports the printer driver setting information (including the ControlA font setting information) to the file specified in the [Export File] field.

\*1: 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.

## 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.



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(Specifications are subject to change without notice.)