BIXOLON

Software Manual

Unified POS Utility

THERMAL RECEIPT PRINTER

Ver. 2.08

http://www.bixolon.com

Introduction

The Unified POS Utility can be used for various purposes.

Details on the usage of each function are described as follows.

1) VMSM(Virtual Memory Switch Manager)
This function is used to set the virtual memory switch used for the thermal printer suitable for the user's environment.

2) NV Image Tool(Non-Volatile Image Tool)
This function helps you to download user-defined images to the flash memory in the printer and to recall and print those images with fast speed.

3) Command Test Editor
This function is used to test printing-related commands and create a brief label sample for test printing.

Symbols Information

⚠ **Caution**	Information that must be observed to avoid damage to your equipment or a malfunction.
⚠ **Note**	Important information and useful tips.

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1. Operating System (OS) Environment

The following operating systems are supported for usage.

Microsoft Windows 7 (32bit/64bit)
Microsoft Windows 8 (32bit/64bit)
Microsoft Windows 8.1 (32bit/64bit)
Microsoft Windows 10 (32bit/64bit)
Microsoft Windows Server 2008 (32bit/64bit)
Microsoft Windows Server 2008R2 (64bit)
Microsoft Windows Server 2012/2012R2 (64bit)
Microsoft Windows Server 2016 (64bit)
Microsoft Windows Server 2019 (64bit)

2. Supported Printers

“Unified POS Utility” is available for the following BIXOLON printers.

BGT-100P/102P Printer
SRP-330/330II/332II
SRP-340II/342II
SRP-350III/352III
SRP-350IIOBE
SRP-350plusIII/352plusIII
SRP-380/382/383
SRP-E300/E302
SRP-F310II/F312II/F313III
SRP-Q300/Q302/Q200
SRP-QE300/QE302
SRP-S300/S320/S3000/S200
SRP-B300
BK3-3
BK3-2
STP-103III
SPP-100II

3. Usage Preparation

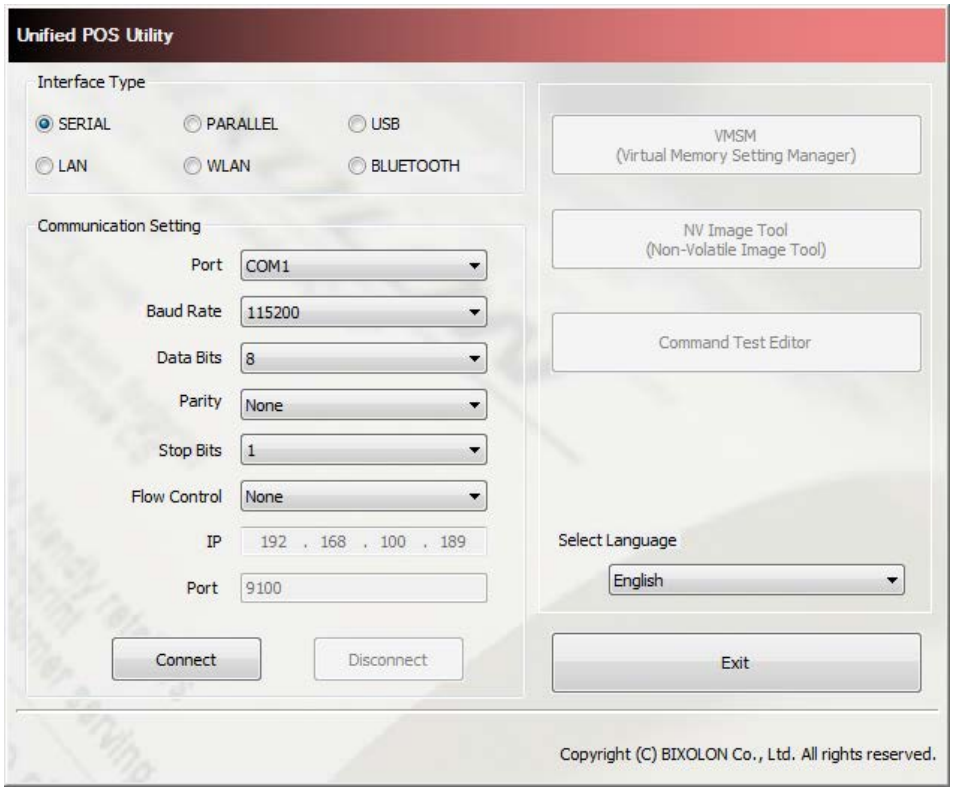
1) Printer and PC Connection.
   Connect the printer and PC via the interface cable.
   (The interfaces available for usage are Serial, Parallel, USB, LAN, WLAN and Bluetooth.)

2) Unified POS Utility Program Execution.
   The program can be installed from the accompanying CD, and Latest file versions can be downloaded from the BIXOLON website. (http://www.bixolon.com)

3) Select the interface type and communication conditions.

4) Click on the “Connect” Button. If the conection is successful, the inactive buttons become active with the message “The printer is connected”.

⚠**Caution**	Please select correct information of the interface type and communication conditions. If the connection fails, the following error message appears. “Cannot open port”. In case of the PC was connected with many printers, please be careful of the port selecting.



4. Unified POS Utility Usage

4-1 VMSM

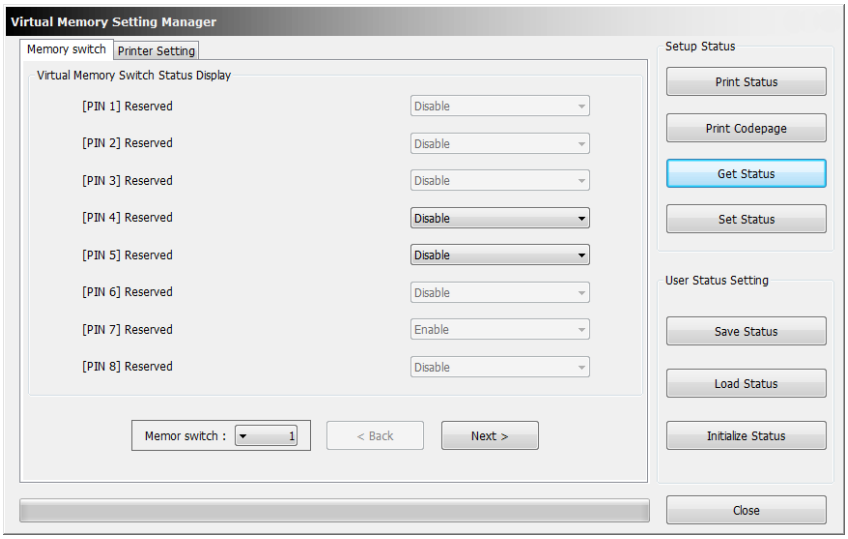
• This function is used to set the virtual memory switch used for the thermal printer suitable for the user's environment.

• If the Communication Setting is OK, click the "VMSM" button.

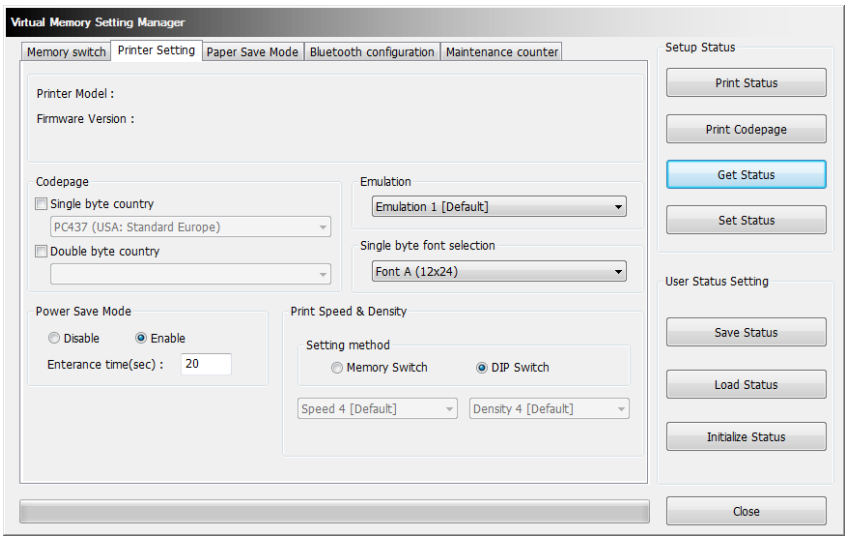
4-1-1 Getting the Memory Switch Status of the Printer

1) Click the "Get Status" button. It gets the status of the Printer Setting.

2) The "Memory switch" Tab in the Printer Status window displays the current virtual memory switch settings of the printer, and allows new settings to be defined.

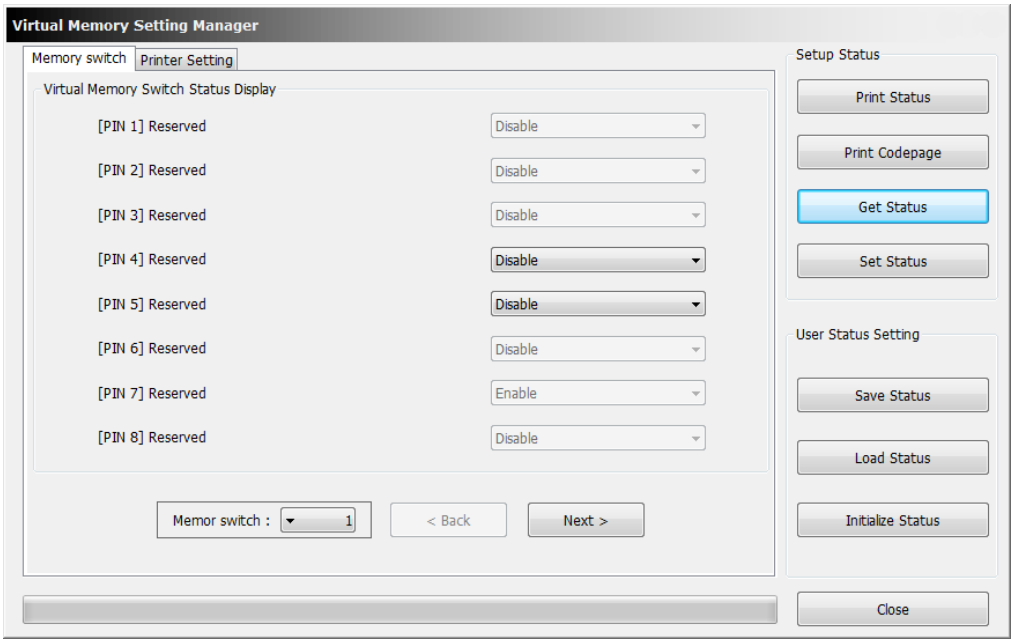


3) The "Printer Setting" Tab displays printer information, and code page information, and allows new settings to be defined.



4-1-2 Setting the memory switch status of the Printer

After getting the memory switch status of the printer, the status of the printer can be modified.



1) “Get Status”
Pressing this button displays the current memory switch settings read from the printer.

2) “Set Status”
Pressing this button allows the user to designate switch settings of the printer.

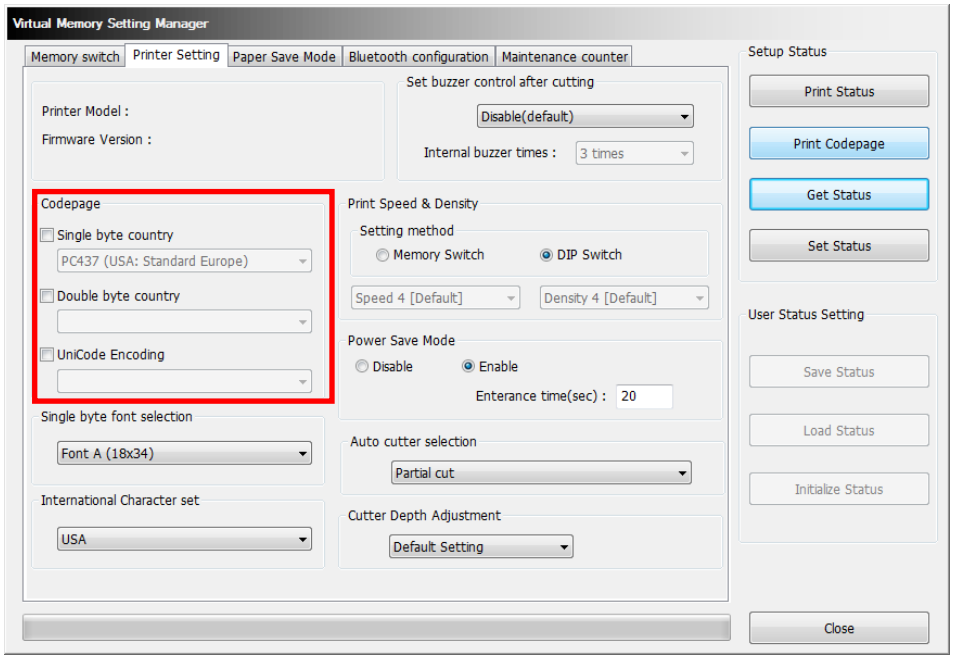
3) “Save Status”
Pressing this button saves the current memory switch settings to file.

4) “Load Status”
Pressing this button loads and displays the previously-saved memory switch settings file.

5) “Initialize Status”
Pressing this button resets the memory switch settings.

6) Code page

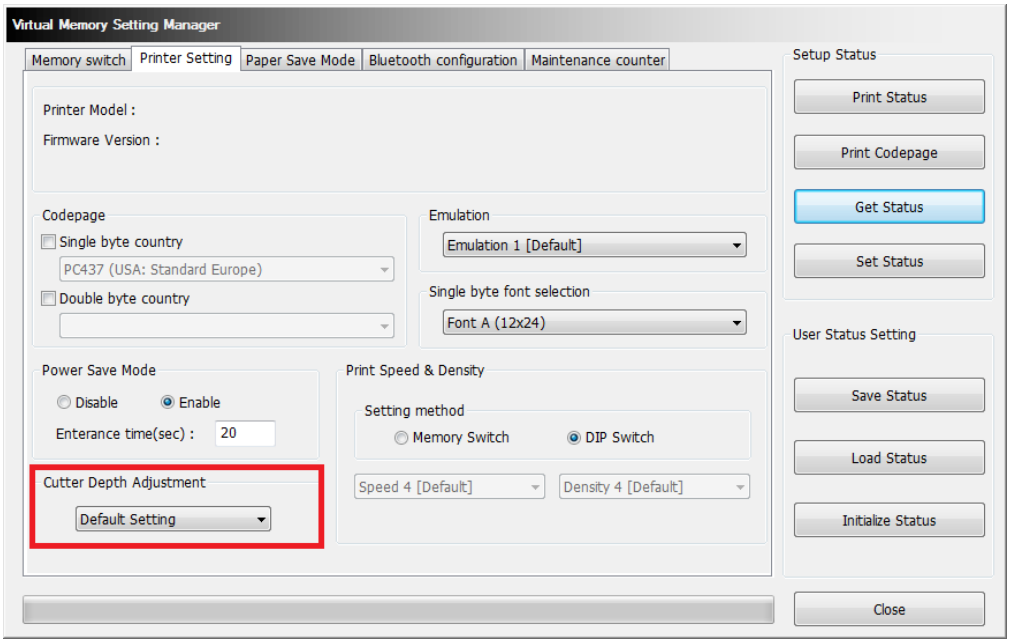
The user may select and set the code page.



⚠Note	Supported Model for “UniCode Encoding” SRP-380/382/383, SRP-Q300/Q302

7) Cutter Depth Adjustment

You can set the paper width which is not cut when using a partial cut operation.



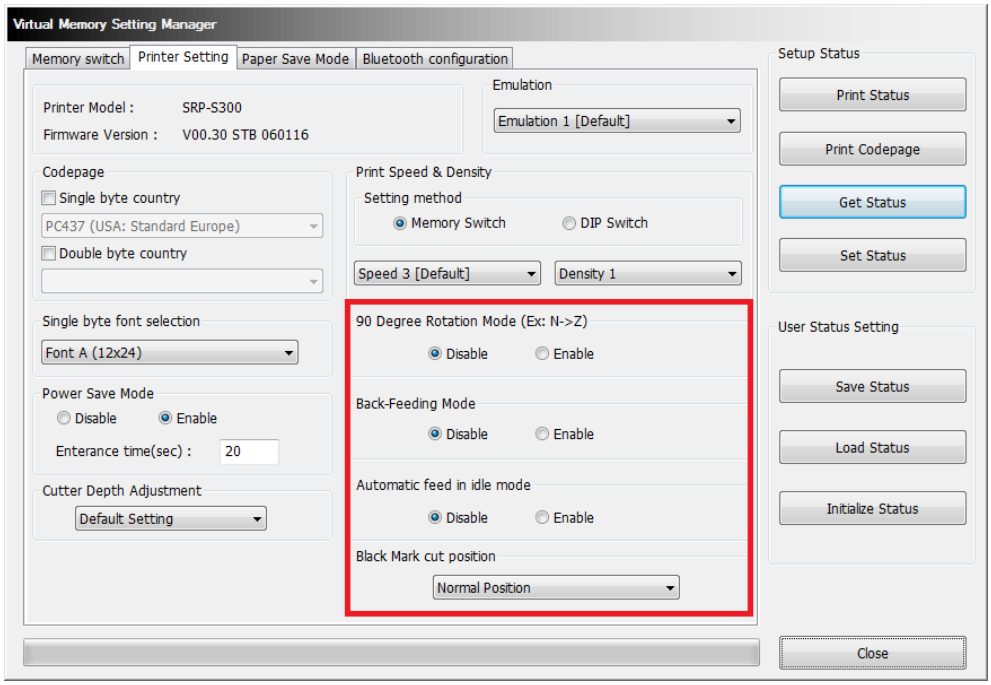
⚠Note	Supported Model SRP-380/382/383, SRP-E300/E302, SRP-Q300/Q302/Q200, SRP-QE300/QE302, SRP-S300, SRP-S200

8) 90 Degree Rotation Mode
Texts prints with 90 degree rotation. (eg: N to Z)

9) Back-Feeding Mode
Reverse feeds the paper to the specific position before the start of printing.

10) Automatic feed in idle mode
Feeds the paper at every specified time interval when the printer is in the sleep mode.

11) Black Mark cut position
Cut after feeding the paper to the default cutting position or black-mark position.



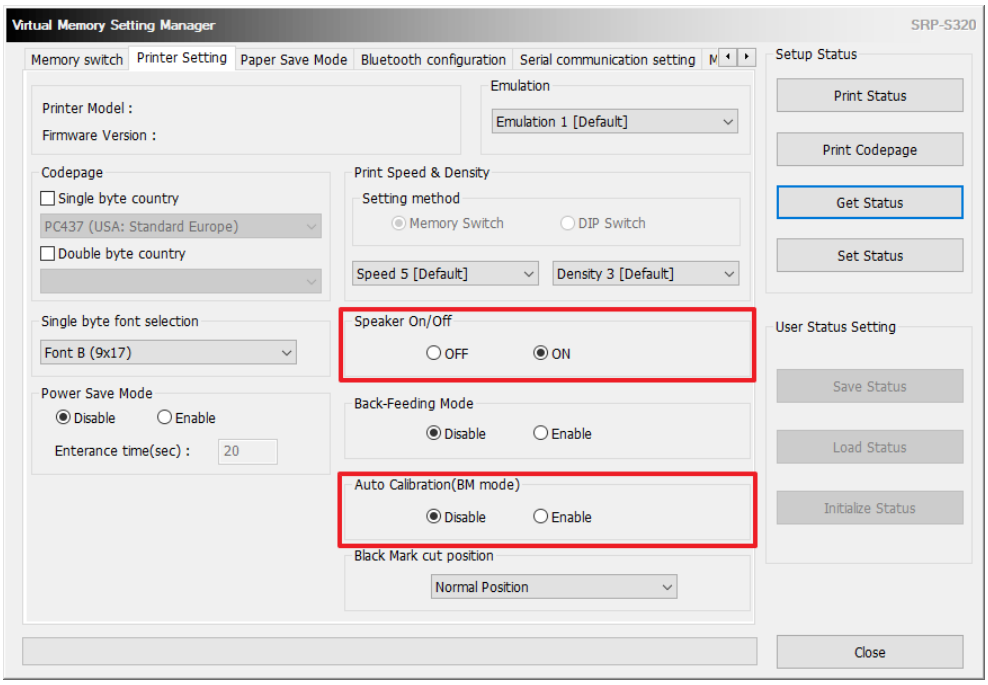
⚠Note	Supported Model SRP-S300L/S300T/S320/S3000/S200 In case of SRP-S320/S3000, 90 Degree Rotation Mode is not supported.

12) Speaker On/Off

Turns the printer's built-in speaker on or off

13) Auto Calibration(BM mode)

When feeds the paper, automatic detection of black marks.

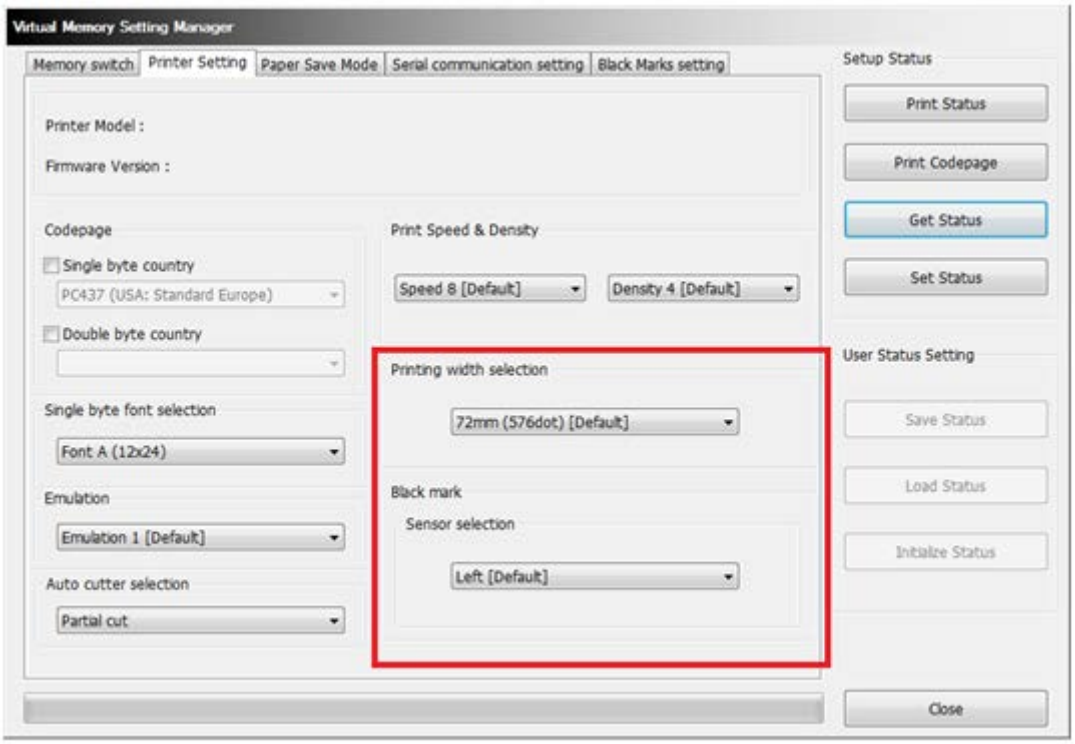


⚠Note	Supported Model SRP-S320/S3000/S200 In case of SRP-S3000, only can be set Speaker On/Off

14) Printing width selection
Selection for printing width.

⚠Note	The following widths can be selected. 72mm(576 dot, Default width) 54mm(432 dot) 48mm(384 dot) 12mm(96 dot)

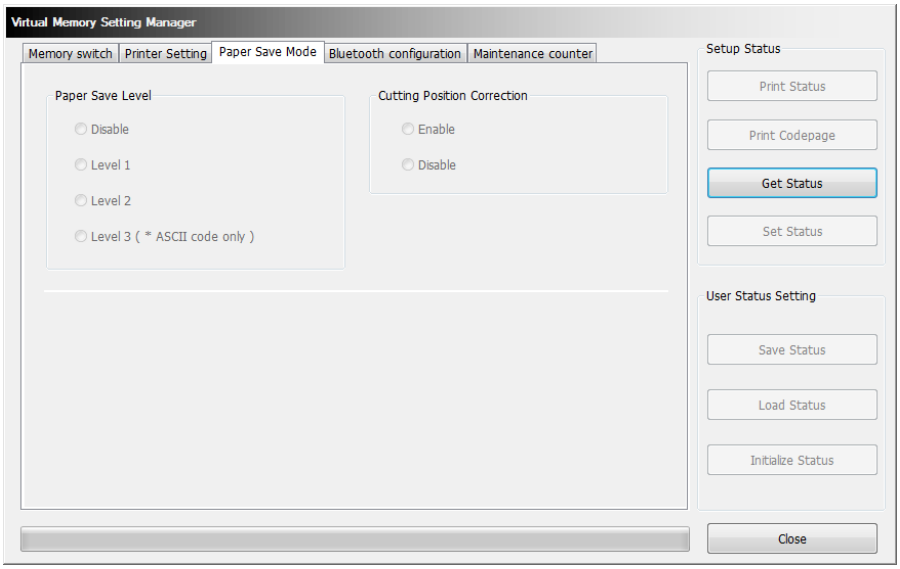
15) Black mark sensor selection
Select black mark sensor.
In front of paper outlet, the left sensor is set as default.



⚠Note	Supported Model BK3-3, BK3-2 It can be modified when Black Marks mode(DIP Switch 1-4 ON).

4-1-3 Paper Save Mode

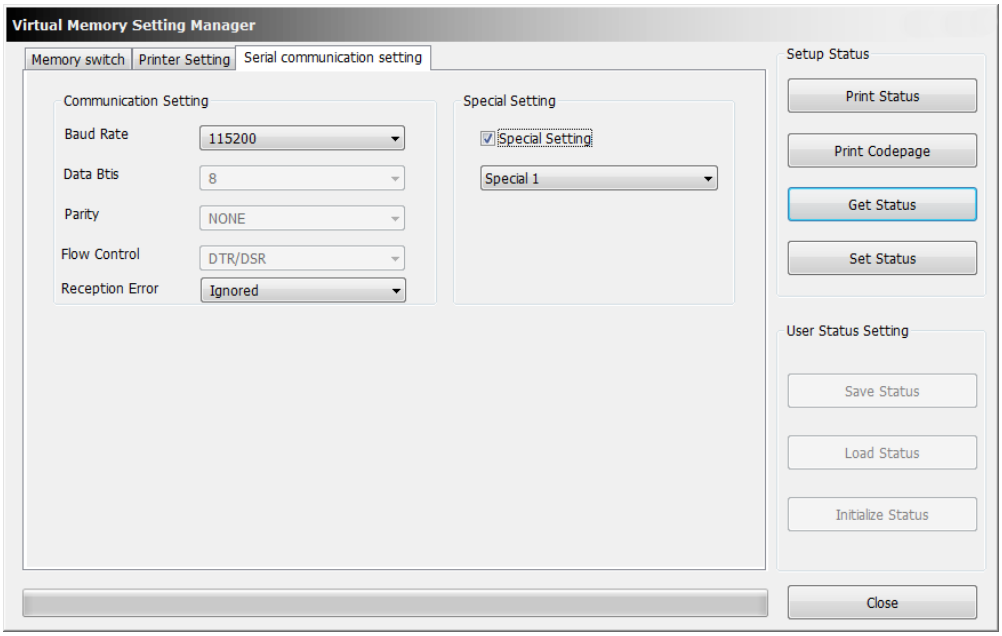
You can select the levels of “Paper Save” and the feature of “Cutting Position Correction” in the “Paper Save Mode” section (tab).



⚠Note	Supported Model BGT-100P/102P, SRP-330II/332II, SRP-340II/342II, SRP-350III/352III, SRP-350plusIII/352plusIII, SRP-380/382/383, SRP-E300/E302, SRP-F310II/F312II/F313II, SRP-Q300/Q302/Q200, SRP-QE300/QE302, SRP-S300/S320/S3000/S200, BK3-3, BK3-2, SRP-B300

4-1-4 Serial communication Setting

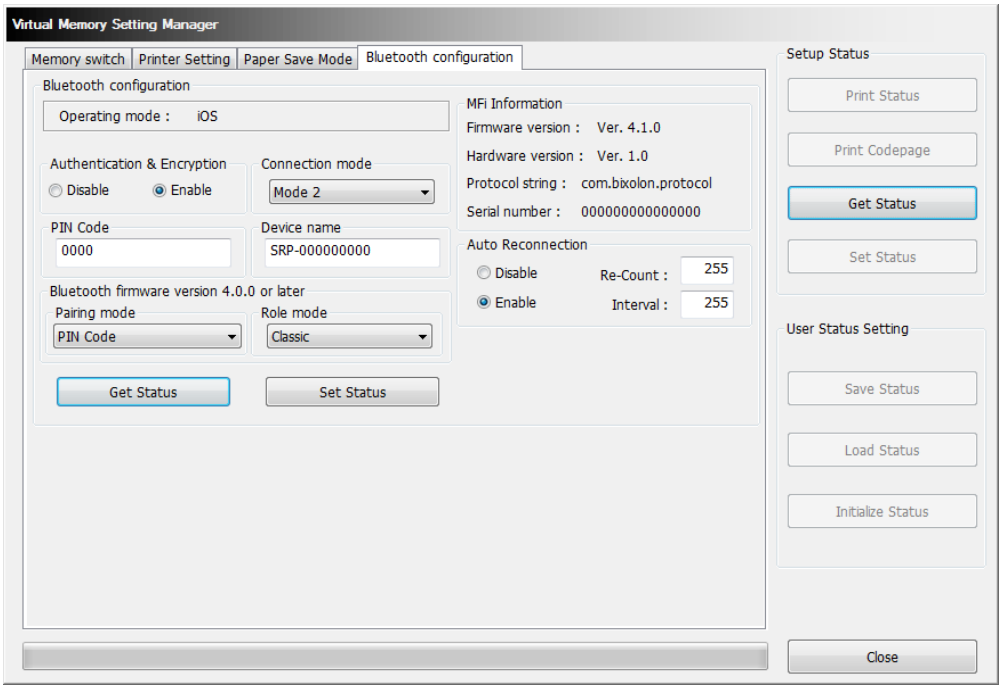
Serial Communication and Special Function setting can be enabled in Serial Communication Setting Tab.



⚠ **Note**	Supported Model SRP-E300/E302, SRP-Q200, SRP-S320, BK3-3, BK3-2, SPP-100II, SRP-S320/S3000/S200, SRP-B300 Special function setting is supported only SPP-100II. Reception Error function is supported with BK3-3, BK3-2

4-1-5 Bluetooth configuration

Bluetooth setting can be changed by Bluetooth Configuration Tab.
In case of Serial(Bluetooth) communication, it is not able to check Bluetooth configuration.



1) Authentication & Encryption
Sets or cancels Authentication & Encryption mode when connecting via Bluetooth
* If Authentication & Encryption mode is disabled, connection to a device can be done without a PIN Code.

2) Connection Mode
Sets Mode1, Mode2, or Mode3 when connecting via Bluetooth.
- Mode1: connection possible only with the first device with which connection succeeds
- Mode2: connection with all Bluetooth enabled devices possible via use of a PIN Code
- Mode3: connection possible only with the first device with which connection succeeds and
searching or use of connected device possible

3) PIN Code
Changes the PIN Code required for Bluetooth connections. (maximum 12 characters long)

4) Device Name

Changes the device name produced when establishing a Bluetooth connection. (maximum 12 characters long)

5) MFi Information

In case of iOS mode, MFi information will be displayed.

6) Auto Reconnection

Retry setting on Bluetooth can be enabled when Bluetooth connection is released.

7) Pairing mode

Changes the Bluetooth Pairing mode.

- PIN Code : When Bluetooth pairing, uses PIN Code exchange.
- SSP(Just works) : When Bluetooth pairing, uses SSP(Secure Simple Pairing) mechanism.
- SSP(Numeric Comparison) : When Bluetooth pairing, uses SSP(Secure Simple Pairing) which is added Numeric Comparison step.

8) Role mode

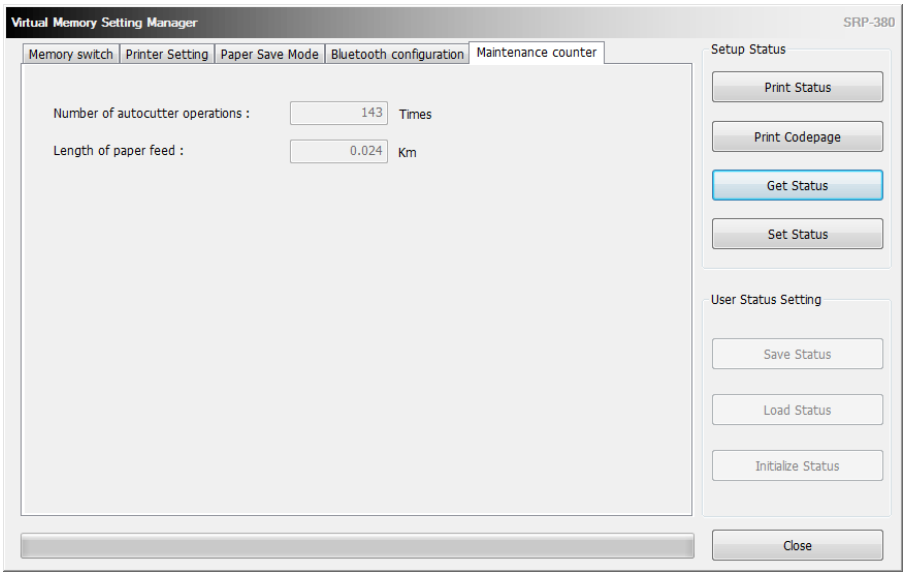
Changes the Bluetooth Role mode.

- Classic
- BLE
- Classic & BRD

⚠**Note**	- Supported Model SRP-350IIOBE, SRP-350plusIII/352plusIII, SRP-380/382/383, SRP-F310II/F312II/F313II, SRP-Q300/Q302/Q200, SRP-S300/S320 - Bluetooth Pairing mode, Bluetooth Role mode change Supported Model (Bluetooth module version IFJ-B5) SRP-Q300/Q302,SRP-350plusIII/352plusIII, SRP-S300/S320

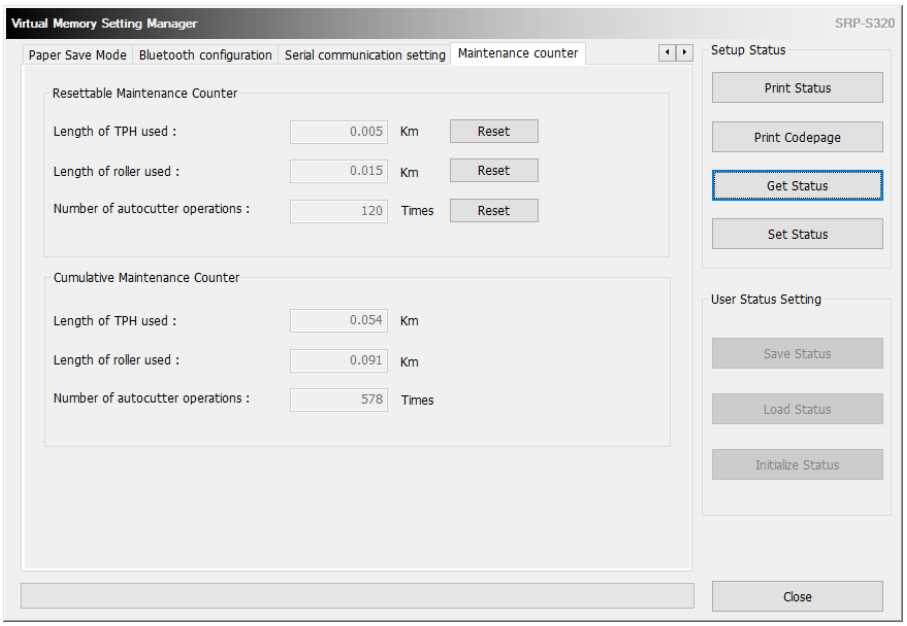
4-1-6 Maintenance counter

1) You can check the number of auto cut operation and amount of paper feed which have been performed by the printer.



⚠Note	Supported Model SRP-F310II/F312II/F313II, SRP-Q300/Q302, SRP-QE300/QE302 SRP-380/382/383

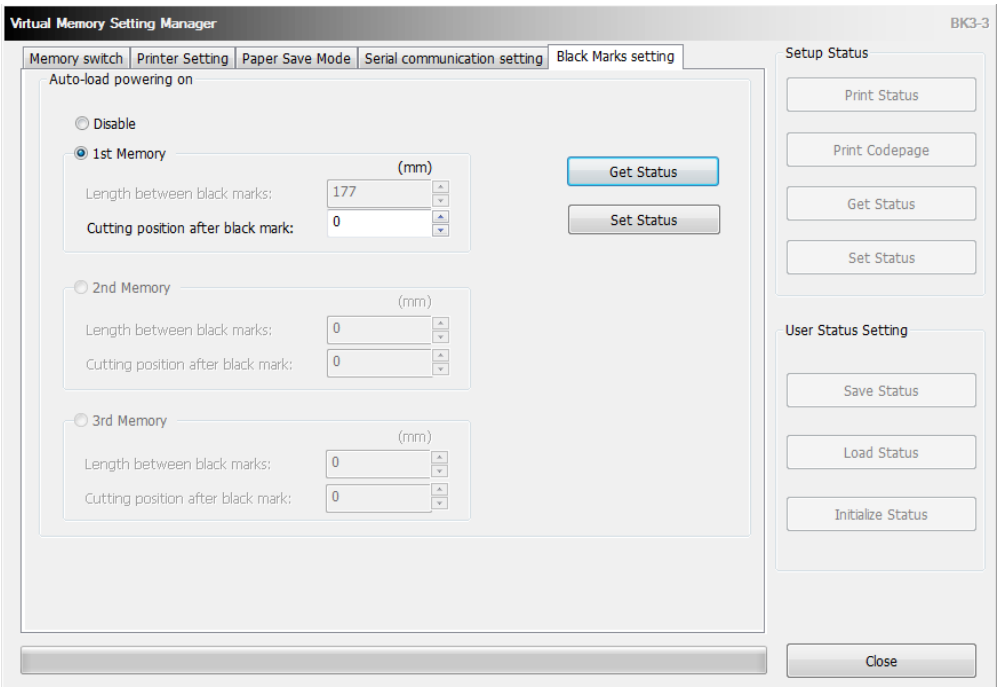
2) Some other models can manage resettable length of TPH used, length of roller used, number of auto cutter operations. Also you can check cumulative counters.



⚠Note	Supported Model SRP-S320/S200

4-1-7 Black Marks setting

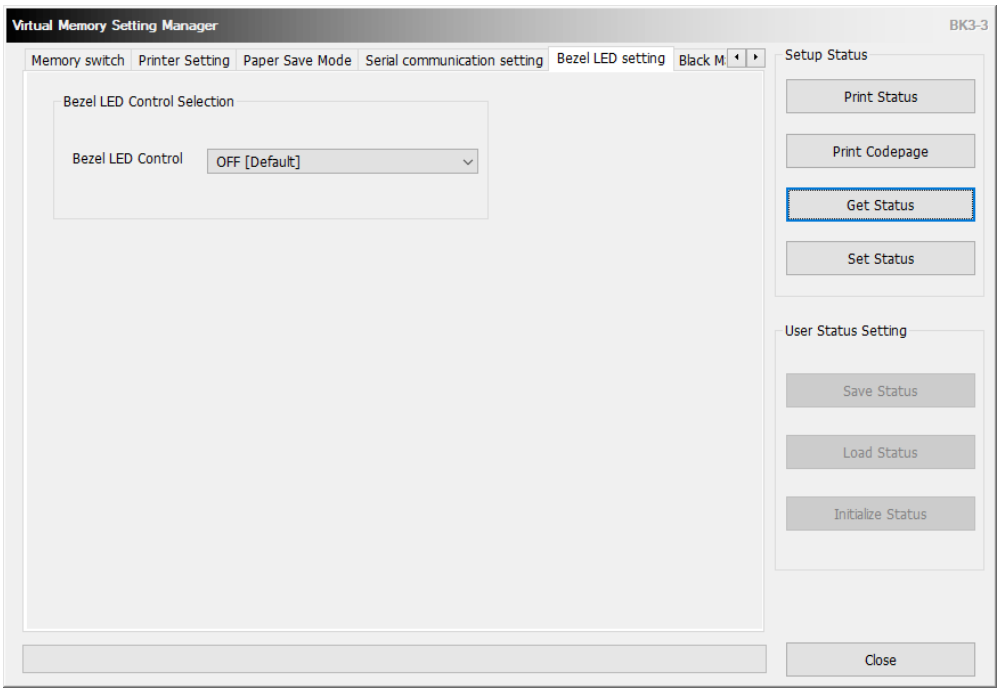
Cutting position after black mark can be change by Black Marks setting Tab.



⚠**Note**	Supported Model BK3-3, BK3-2 It can be set when Black Marks mode(DIP Switch 1-4 ON).

4-1-8 Bezel LED setting

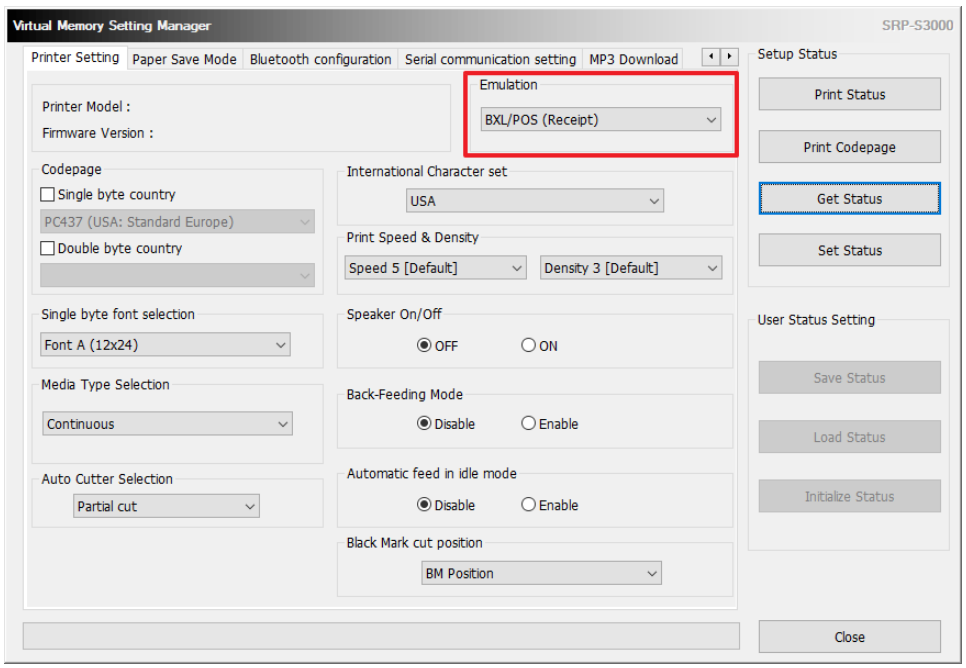
Bezel LED Control can be change by Bezel LED setting Tab.



⚠Note	Supported Model BK3-3

4-1-9 Emulation

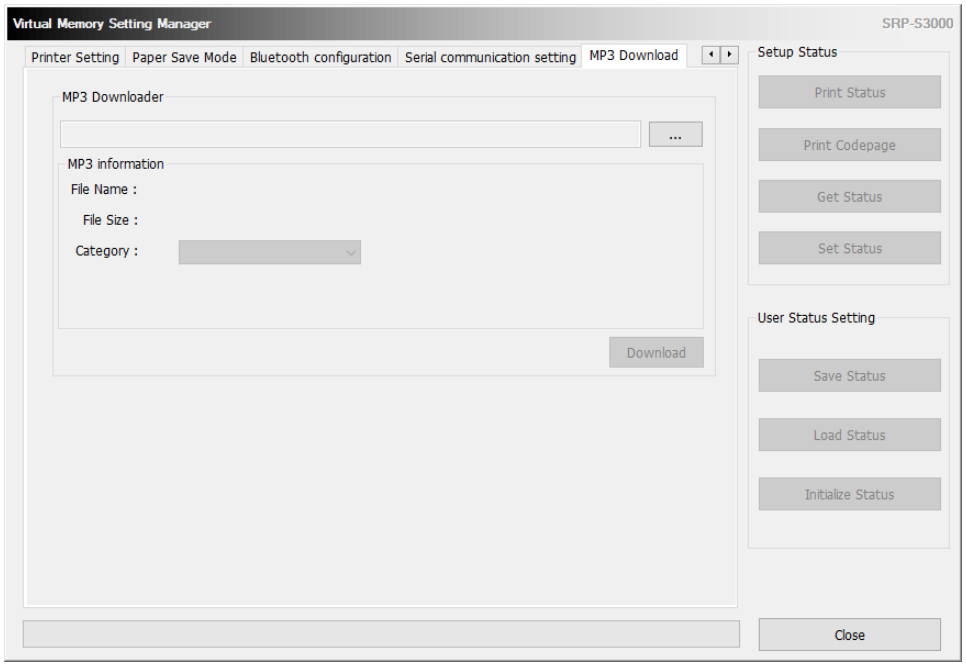
It can be change printer emulation.



⚠**Note**	In case of SRP-S3000, when set emulation to SLCS (Label), The printer needs reboot. After the printer reboot, it is impossible to able to configure printer setting with Unified POS Utility. To proceed with configure printer setting, please use Unified Label Utility-II

4-1-10 MP3 Download

Click the “MP3 Download” tab to download MP3 file.



1) Select MP3 file(*.mp3, *.MP3) which file size less than 2MB.

2) Select to save category.

3) Click to “Download” button to start download.

⚠**Note**	Supported Models SRP-S3000

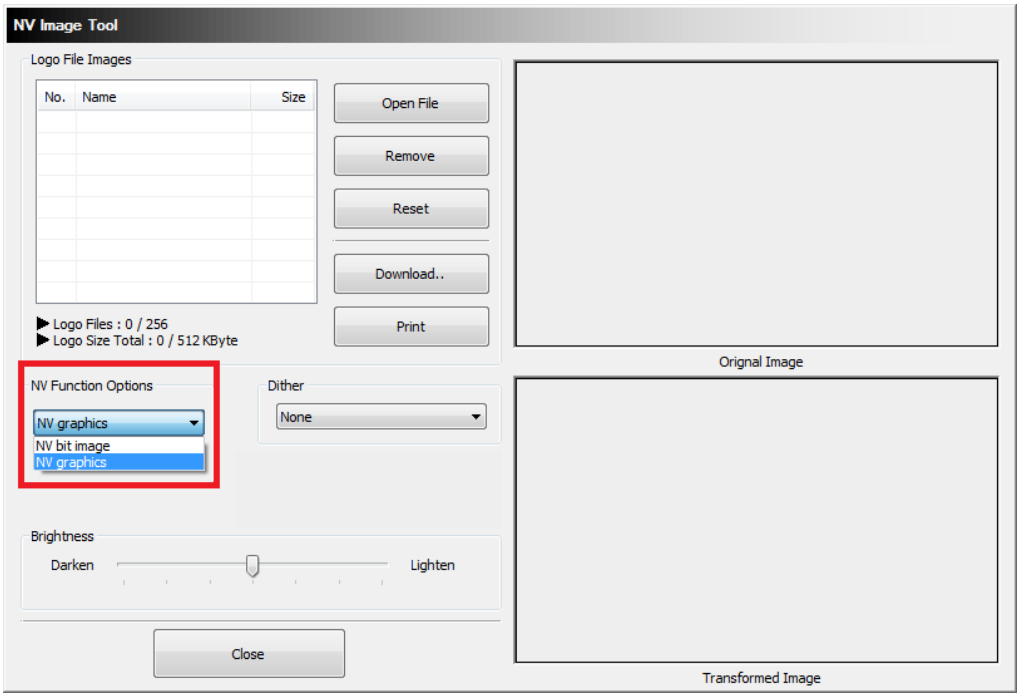
4-2 NV Image Tool

• This function helps you to download user-defined images to the flash memory in the printer and to recall and print those images with fast speed.

• If the Communication Setting is OK, click the “NV Image Tool” button.

4-2-1 NV Function Option

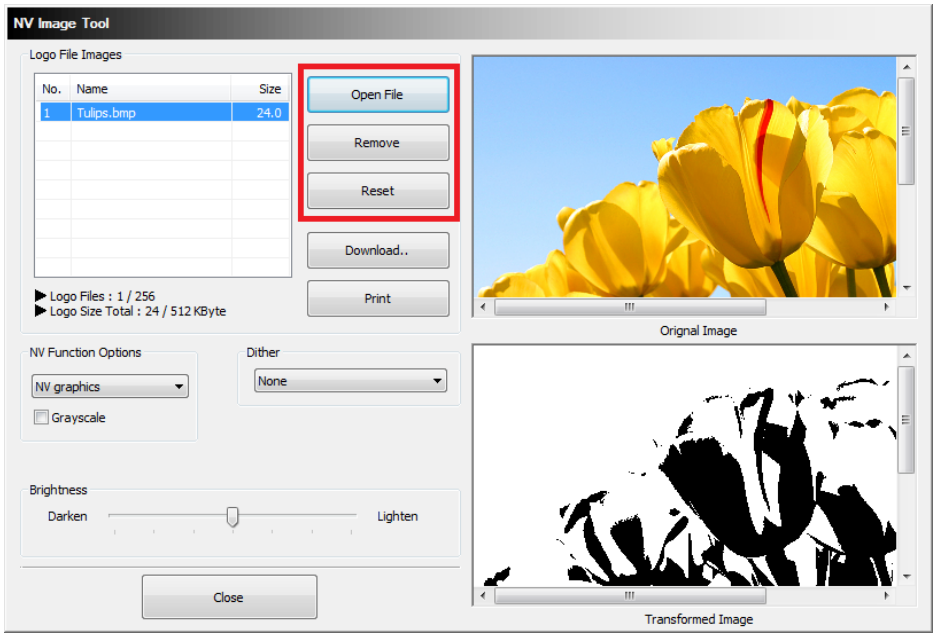
If the Printer is supported two-color mode, mono (NV bit image) or two-color (NV graphics)
mode can be selected.



⚠Note	Please refer to below commands for each mode. The command for NV bit image: FS p The command for NV graphics: GS (L

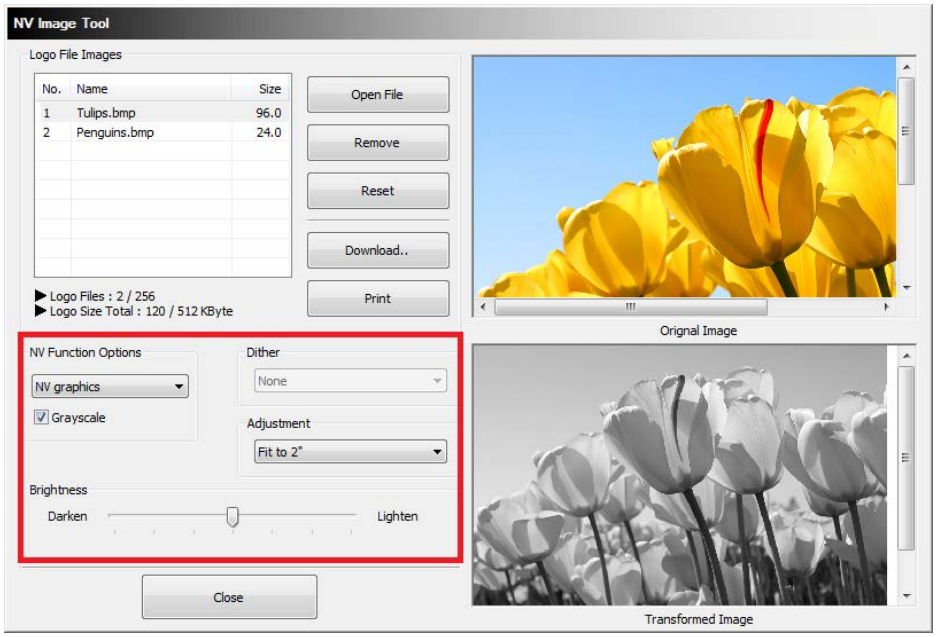
4-2-2 Image List Management

The images can be opened, added, deleted in the Image list box using three buttons in Bitmap selection. Only bmp type of image is available to download.



4-2-3 Correction image

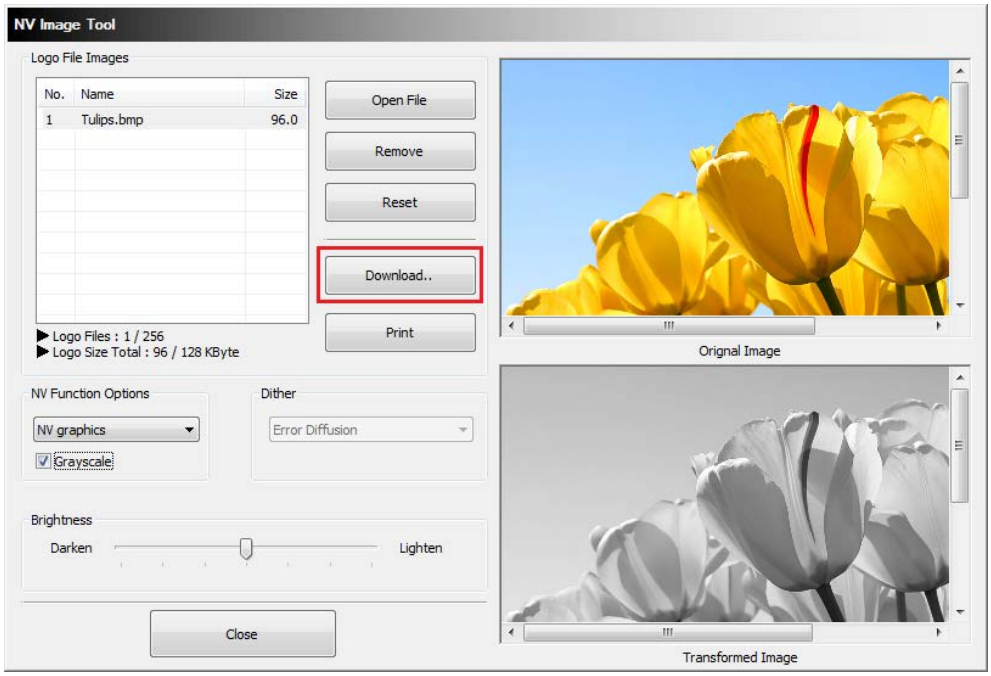
You can get the correction image by selecting a ‘Dither’, ‘Brightness’, ‘Grayscale’ and ‘Adjustment’ option.



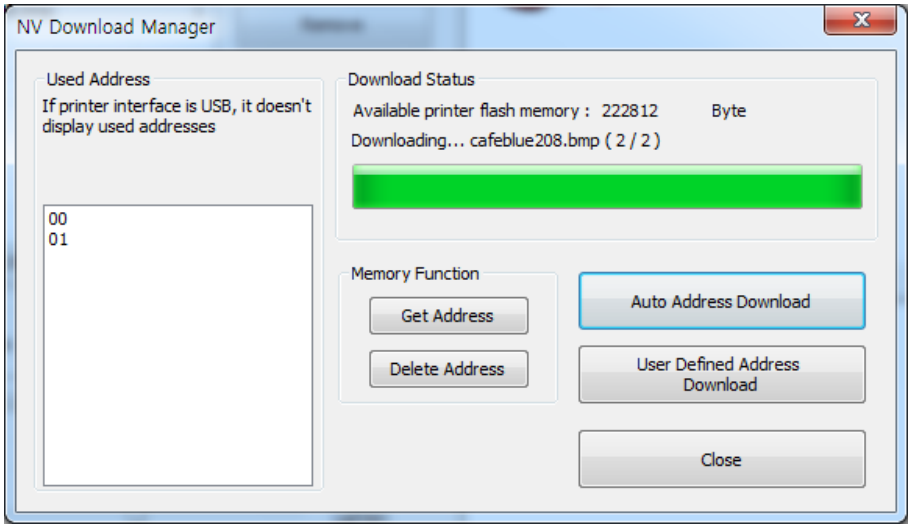
⚠**Note**	Supported model by ‘Adjustment’ SRP-380/382/383, SRP-E300/E302, SRP-Q300/Q302, SRP-QE300/QE302, SRP-S300, SRP-S320, SRP-S3000, BK3-3, BK3-2, SRP-B300 Supported model by ‘Grayscale’ BGT-100P/102P, SRP-330II/332II, SRP-350plusIII/352plusIII, SRP-380/382/383, SRP-E300/E302, SRP-F310II/F312II/F313II, SRP-Q300/Q302, SRP-QE300/QE302 SRP-S300/S320/S3000/S200, SRP-B300

4-2-4 Download the image

1) When the “Download” button is clicked, pop-up window and the steps are different based on printer model.

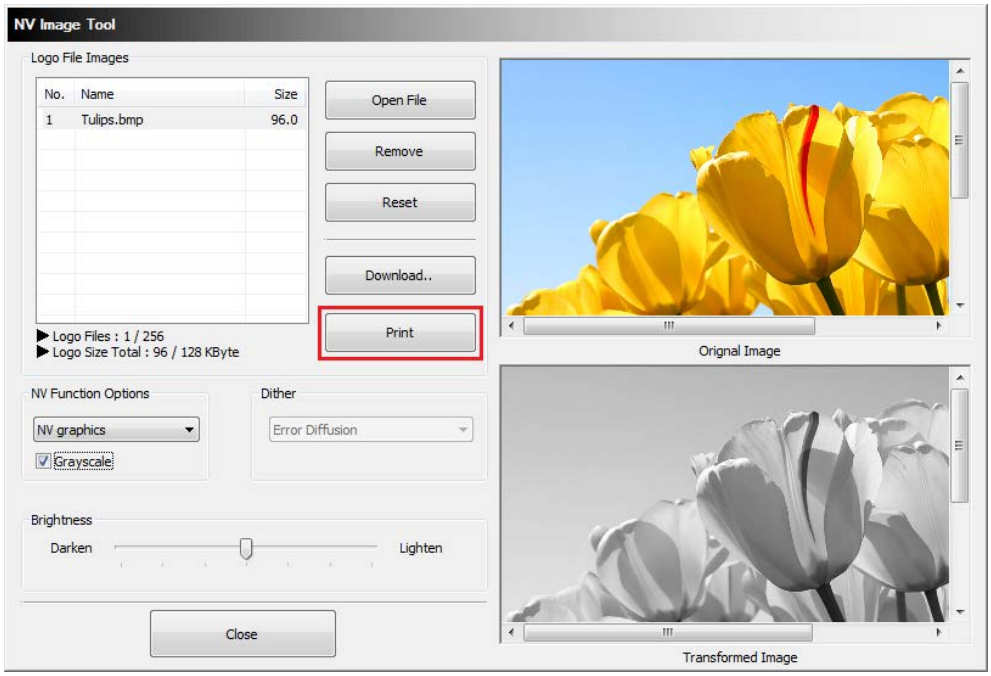


2) After all images stored on the corresponding printer are deleted, the image matching the selected resolution level is downloaded. The image is assigned a number according to the image list displayed on the screen.

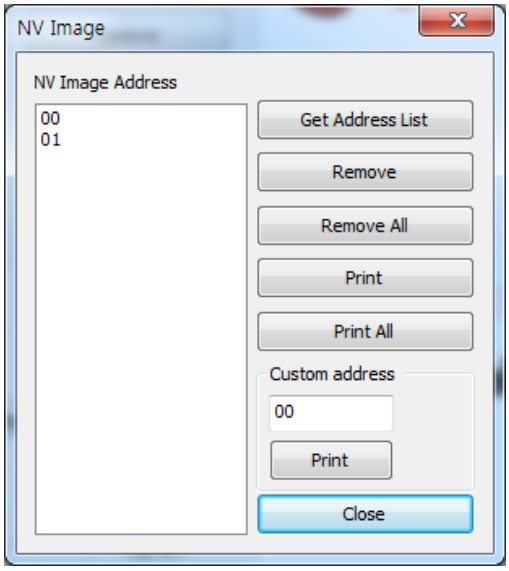


4-2-5 Print the image

1) The “Print” button in the main screen can be used on each printer model to print and test a stored image.



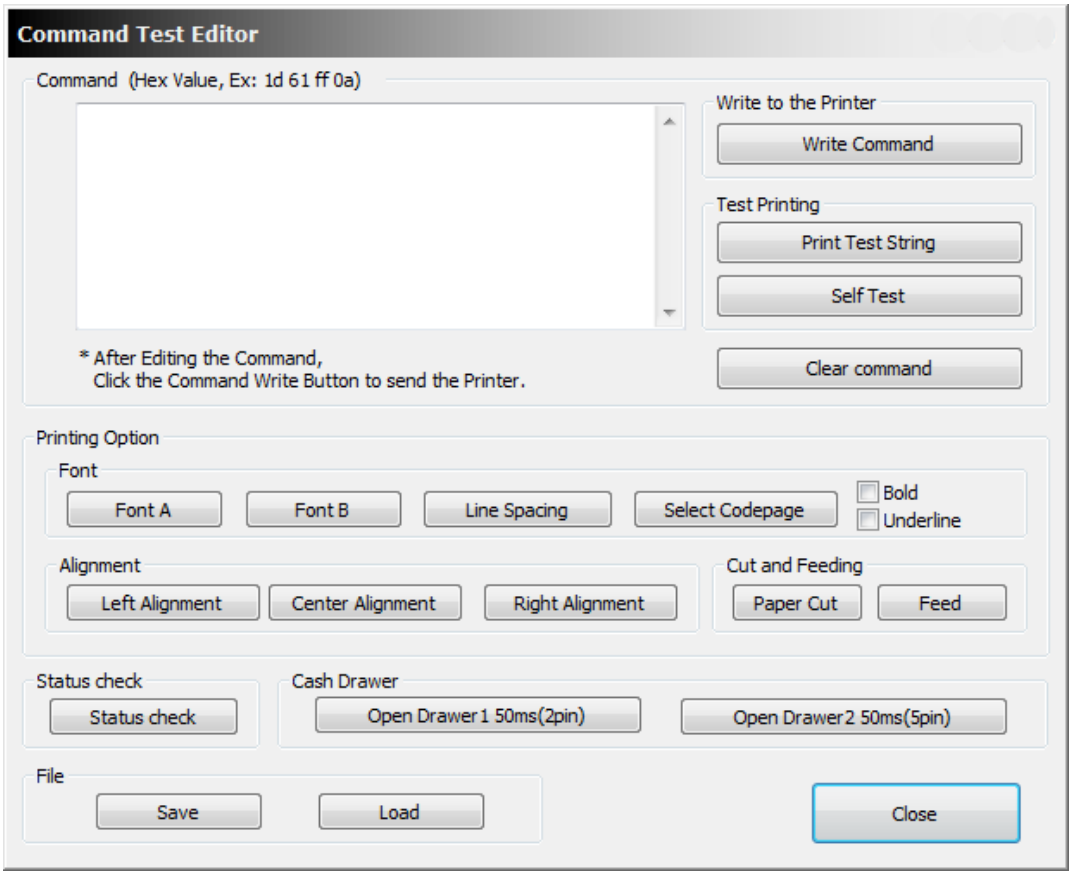
2) After selecting the image to print following the recall of the addresses of all currently stored images, press the “Print” button to print.



4-3 Using the Command Test Editor

1) If the Communication Setting is OK, click the “Command Test Editor” button.

2) If the “Command Test Editor” button is pressed, the following dialog box will appear. Using this Dialog, the user can write and edit the command and send to the printer. Each button of “Printing Option” and “Etc” group can insert commands to edit box. Also “Write Command” button can transfer these commands to the printer. To verify the result of sending the command can use the “Print Test String” button.



⚠Note	It is possible to be different the supported commands by the models. You can download the command manual from the BIXOLON website. (http://www.bixolon.com)

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BIXOLON Co., Ltd. maintains ongoing efforts to enhance and upgrade the functions and quality of all our products.
In the following, product specifications and/or user manual content may be changed without prior notice.

Caution

Some semiconductor devices are easily damaged by static electricity. You should turn the printer “OFF”, before you connect or remove the cables on the rear side, in order to guard the printer against the static electricity. If the printer is damaged by the static electricity, you should turn the printer “OFF”.

Revision history

Rev.	Date	Page	Description
2.00	04.01.18	-	New
2.01	31.08.18	4,8,10,11,12,13,16	SRP-383 Added
2.02	22.11.18	4,10,11,12,17	BK3-3 Added
2.03	08.03.19	4,8,11,12,13	SRP-Q200 Added
2.04	27.05.19	10,15	Black Marks setting Added
2.05	03.12.19	4, 10, 11, 12,13,14,16,17, 20	Reception Error, Bluetooth Pairing mode, Role mode, Bezel LED setting, BK3-2 Added
2.06	17.09.20	4, 9, 10, 12, 13, 15, 16, 18, 21	Supported OS Update, SRP-S320 Added, Maintenance counter describes Added, Bezel LED setting describes modified.
2.07	10.11.20	4, 9, 10, 12, 13, 15, 19, 20, 23	SRP-S3000 Added, Emulation Setting, MP3 Download describes Added.
2.08	26.02.21	4, 9, 10, 12, 13, 23	SRP-B300, SRP-S200 Added