BIXOLON

Software Manual

Unified POS Utility

THERMAL RECEIPT PRINTER

Ver. 2.14

www.bixolon.com

Table of Contents

Copyright....2

1. Operating System (OS) Environment....4

2. Supported Printers....5

3. Usage Preparation....6

4. Unified POS Utility Usage....7
4-1 VMSM....7
4-1-1 Getting the Memory Switch Status of the Printer....7
4-1-2 Setting the memory switch status of the Printer....8
4-1-3 Paper Save Mode....13
4-1-4 Serial communication Setting....14
4-1-5 Bluetooth configuration....15
4-1-6 Maintenance counter....17
4-1-7 Black Marks setting....18
4-1-8 Bezel LED setting....19
4-1-9 Emulation....20
4-1-10 TTS....21
4-1-11 MP3 Download....23
4-1-12 XCM/XPM....24
4-2 NV Image Tool....25
4-2-1 NV Function Option....25
4-2-2 Image List Management....26
4-2-3 Correction image....27
4-2-4 Download the image....28
4-2-5 Print the image....29
4-3 Using the Command Test Editor....30

Copyright

© BIXOLON Co., Ltd. All rights reserved.

This user manual and all property of the product are protected under copyright law.
It is strictly prohibited to copy, store, and transmit the whole or any part of the manual and any property of the product without the prior written approval of BIXOLON Co., Ltd.
The information contained herein is designed only for use with this BIXOLON product.
BIXOLON is not responsible for any direct or indirect damages, arising from or related to use of this information.

• The BIXOLON logo is the registered trademark of BIXOLON Co., Ltd.
• All other brand or product names are trademarks of their respective companies or organizations.

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”.

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.

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 11 (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/330III/332III
SRP-340II/342II
SRP-350III/352III/350V/352V
SRP-350IIOBE
SRP-350plusIII/352plusIII/350plusV/352plusV
SRP-380/382/383/380II/382II
SRP-E300/E302
SRP-F310II/F312II/F313III
SRP-Q300/Q302/Q200
SRP-QE300/QE302
SRP-S300/S320/S3000/S200
SRP-Q300II
SRP-B300
BK3-3
BK3-2
BK5-3
STP-103III
SPP-100II/200
G30

3. Usage Preparation

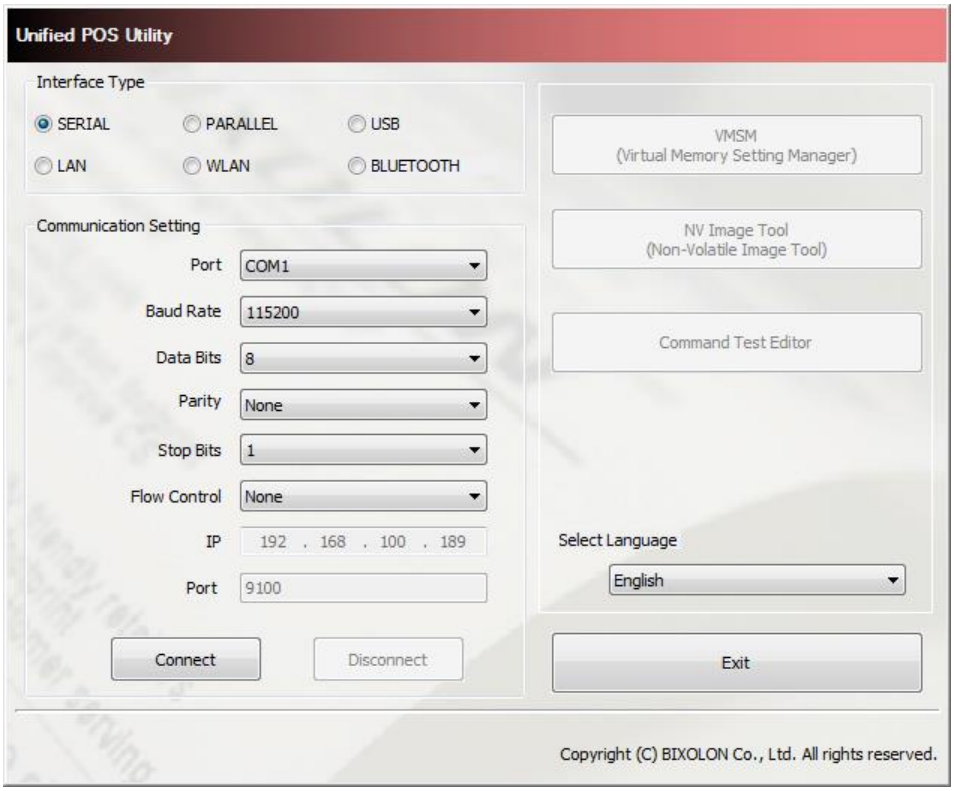
1) Printer and PC Connection.
   Connect the printer and PC via the interface cable.
   (The interfaces available for usage are Serial, Parallel, USB, LAN, WLAN and Bluetooth.)

2) Unified POS Utility Program Execution.
   The program 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 connection is successful, the inactive buttons become active with the message “The printer is connected”.

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

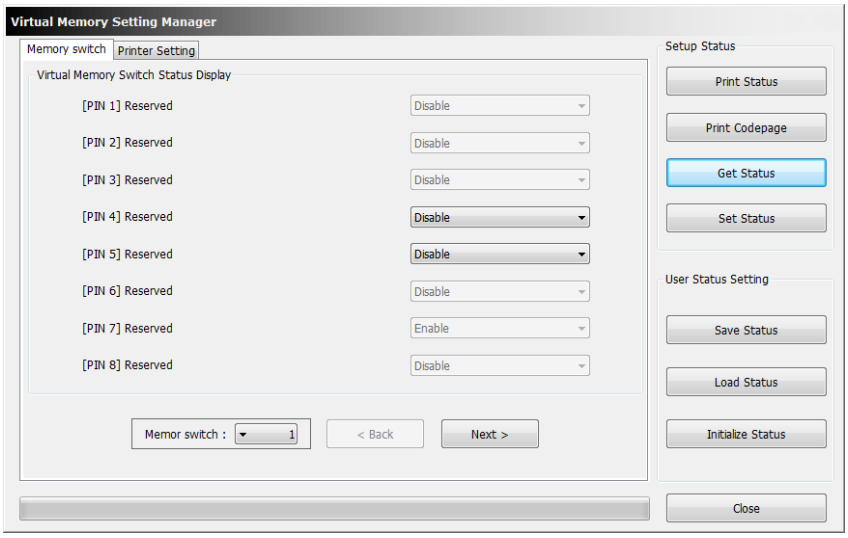
• This function is used to set the virtual memory switch used for the thermal printer suitable for the user's environment.

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

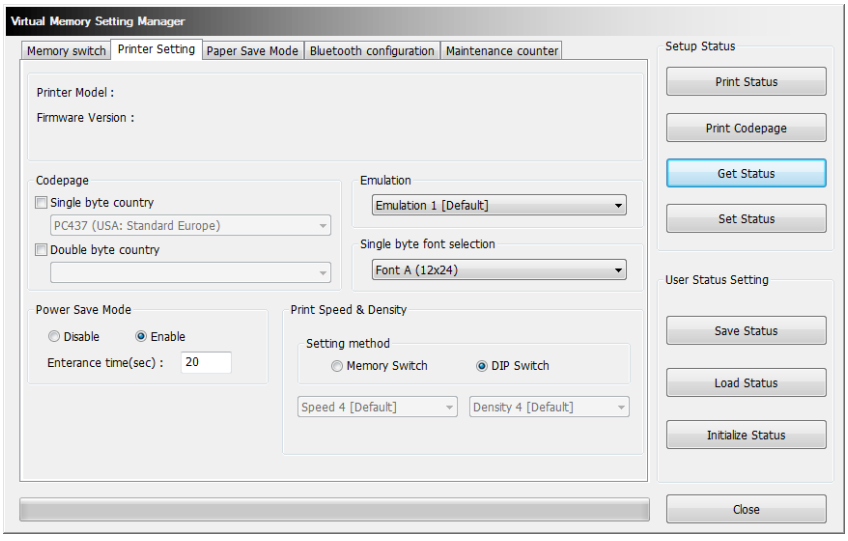
4-1-1 Getting the Memory Switch Status of the Printer

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.

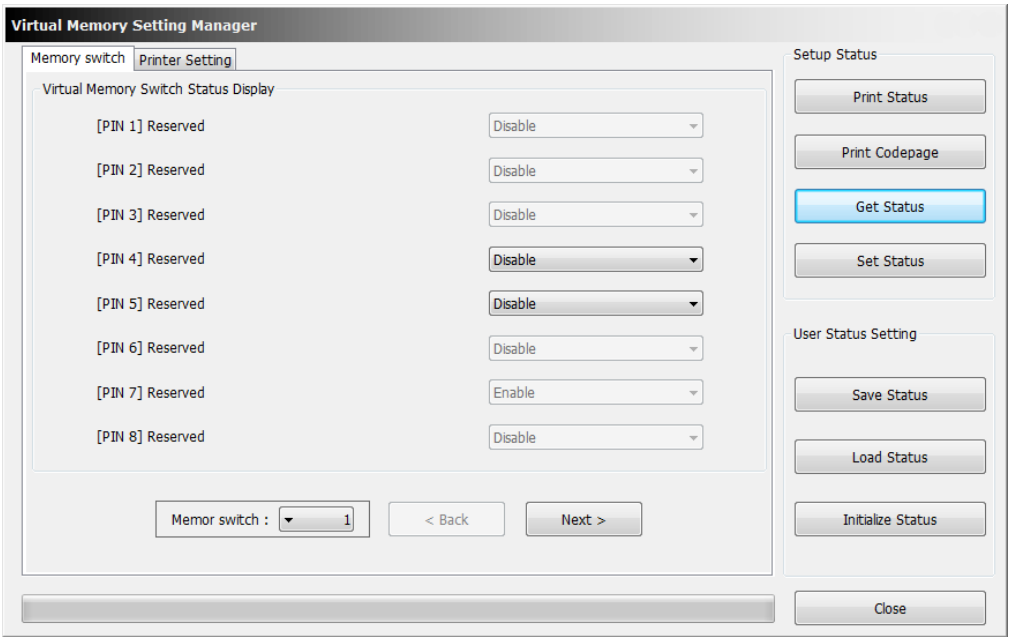


3) The "Printer Setting" Tab displays printer information, and code page information, and allows new settings to be defined.



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.

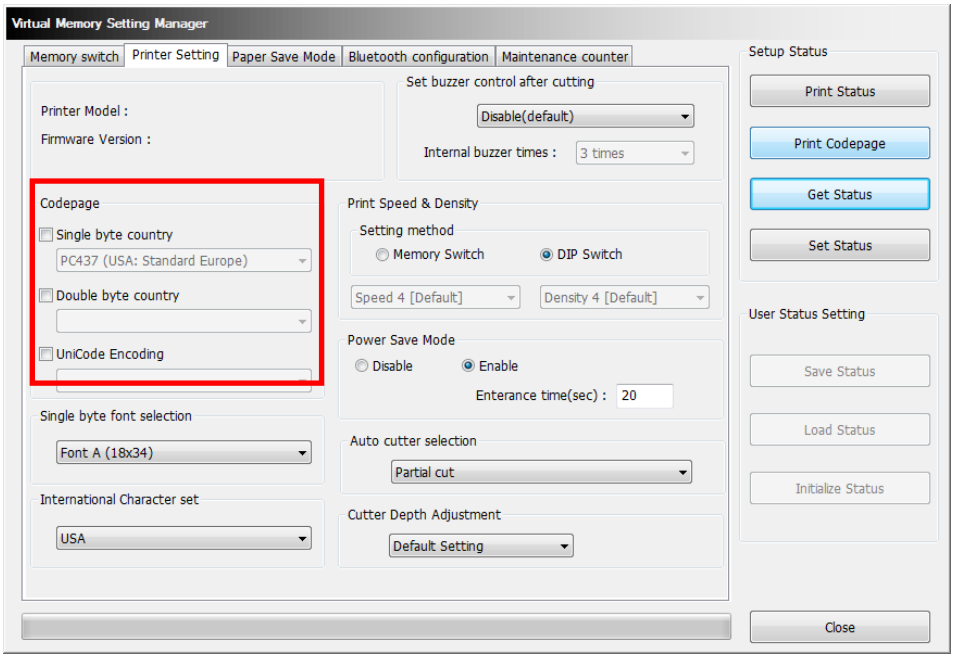
3) “Save Status”
   Pressing this button saves the current memory switch settings to file.

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.



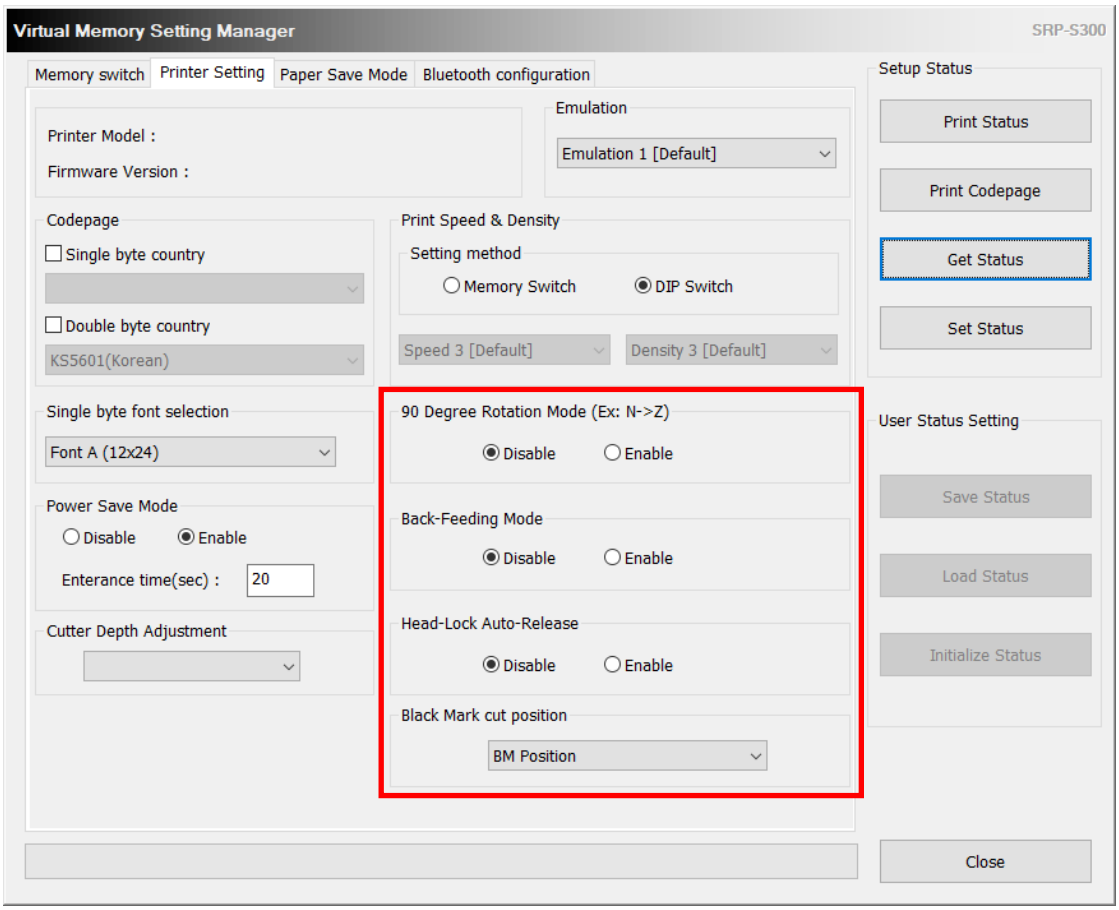
Supported Model for “Unicode Encoding”
SRP-380/382/383, SRP-Q300/Q302, SRP-Q300II

7) 90 Degree Rotation Mode
Texts prints with 90-degree rotation. (Ex: N -> Z)

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

9) Head-Lock Auto-Release
Feeds the paper at every specified time interval when the printer is in the sleep mode.

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



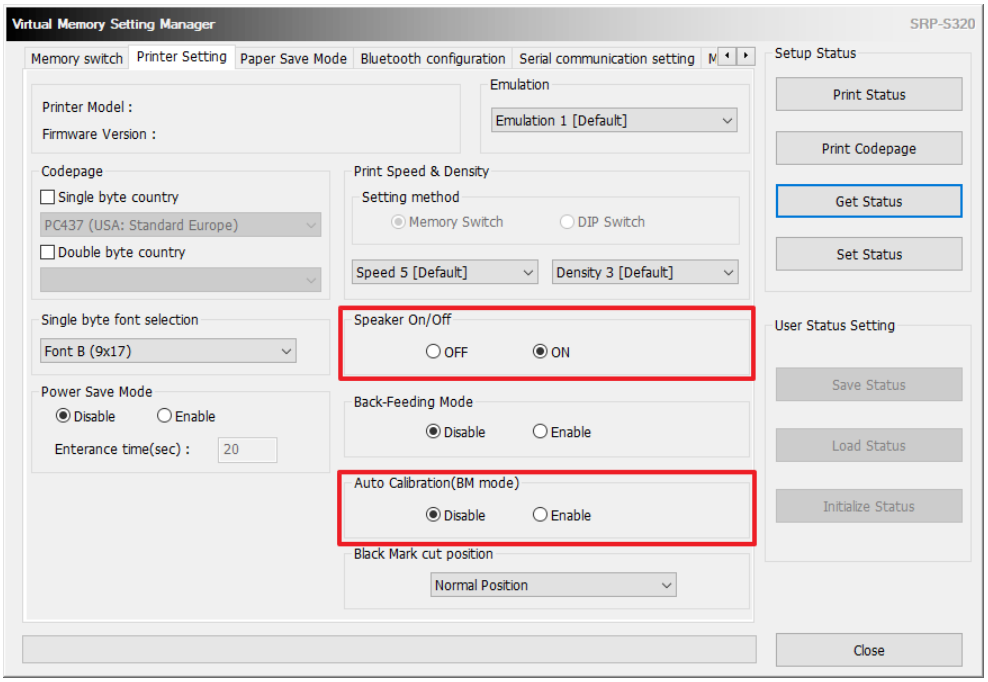
Supported Model
SRP-S300L/S300T/S320/S3000/S200, G30
In case of SRP- S320/S3000/S200, 90 Degree Rotation Mode is not supported.

11) Speaker On/Off

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

12) Auto Calibration (BM mode)

When feeds the paper, automatic detection of black marks.



Supported Model

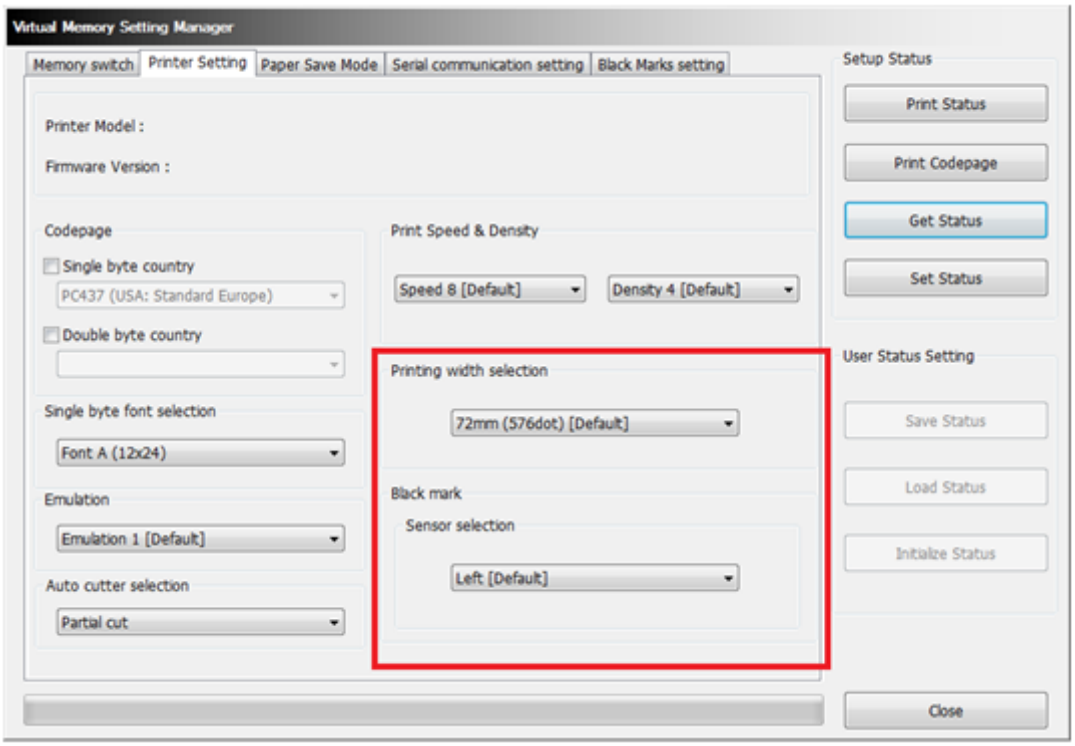
SRP-S320/S3000/S200

In case of SRP-S3000, only can be set Speaker On/Off.

13) Printing width selection
Selection for printing width.

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

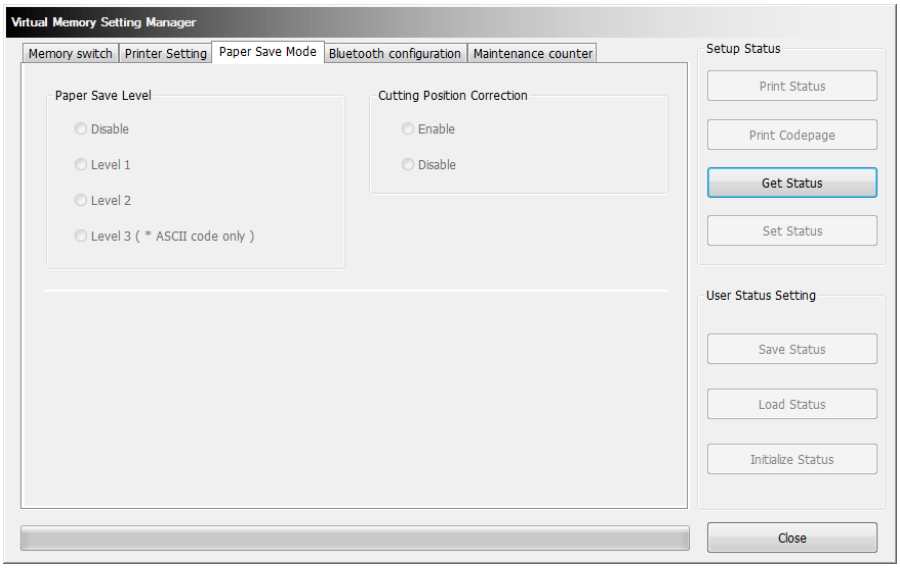
14) Black mark sensor selection
Select black mark sensor.
In front of paper outlet, the left sensor is set as default.



Supported Model
BK3-3, BK3-2, BK5-3
It can be modified when Black Marks mode (DIP Switch 1-4 ON).
Black mark settings for the BK5-3 are available in the Black Marks settings tab.

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).

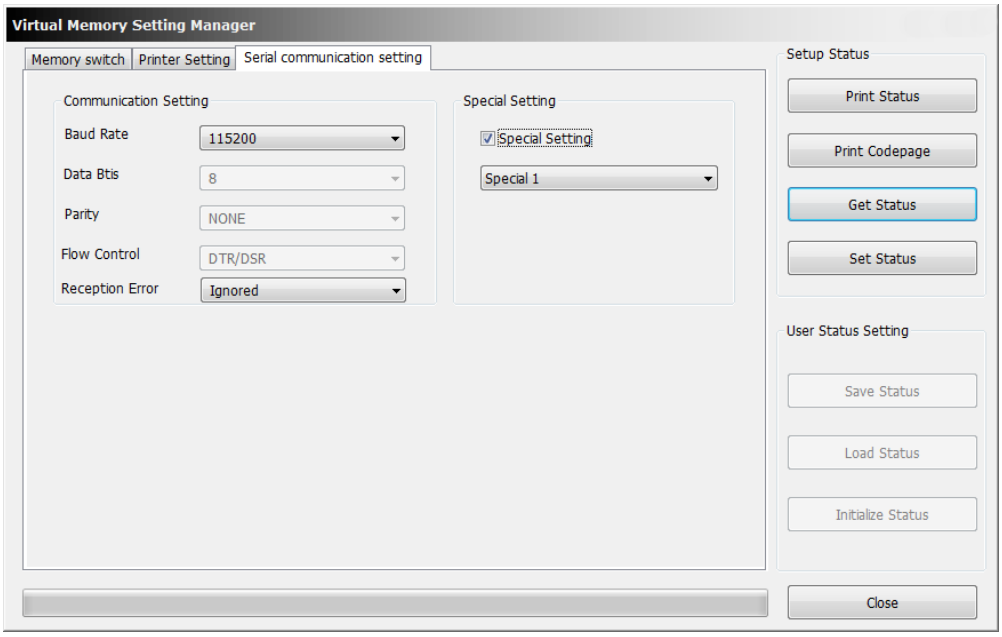


Supported Model

BGT-100P/102P, SRP-330II/332II/330III/332III, SRP-340II/342II,
SRP-350III/352III/350V/352V,
SRP-350plusIII/352plusIII/350plusV/352plusV,
SRP-380/382/383/380II/382II,
SRP-E300/E302, SRP-F310II/F312II/F313II,
SRP-Q300/Q302/Q200, SRP-QE300/QE302, SRP-Q300II
SRP-S300/S320/S3000/S200, G30,
BK3-3, BK3-2, BK5-3, SPP-200
SRP-B300

4-1-4 Serial communication Setting

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

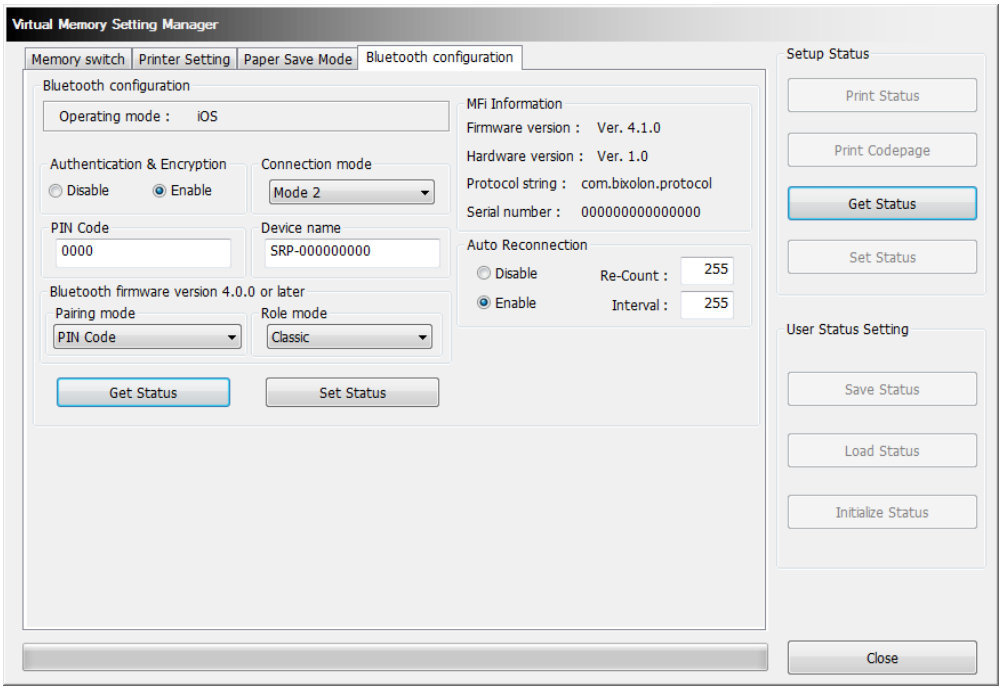


Supported Model

SRP-E300/E302, SRP-Q200, SRP-S320, BK3-3, BK3-2, BK5-3, SPP-200, SPP-100II,
SRP-S320/S3000/S200, SRP-B300, SRP-380II/382II,
Special function setting is supported only SPP-100II.
Reception Error function is supported with
BK3-3, BK3-2, BK5-3, SPP-200

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.

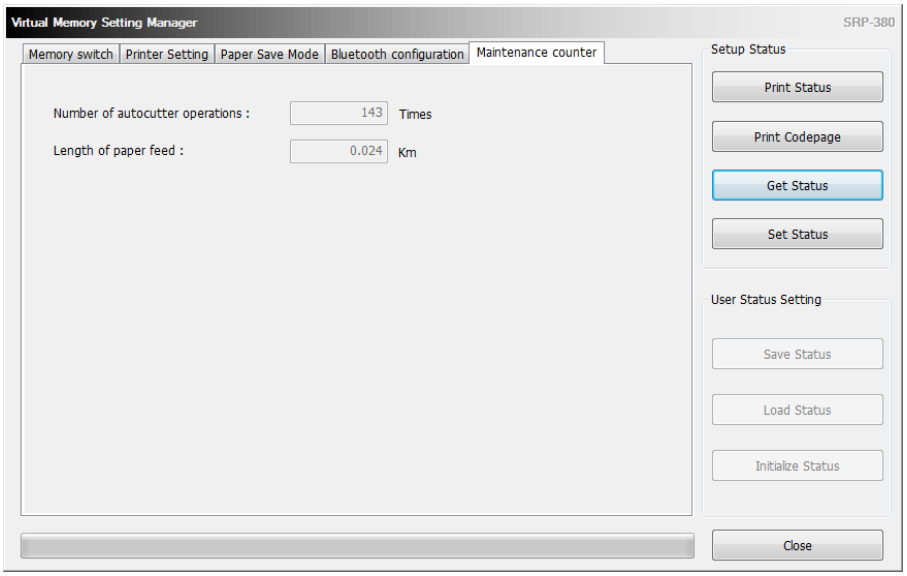
7) Pairing mode
Changes the Bluetooth Pairing mode.
- PIN Code: When Bluetooth pairing, uses PIN Code exchange.
- SSP (Just works): When Bluetooth pairing, uses SSP (Secure Simple Pairing) mechanism.
- SSP (Numeric Comparison): When Bluetooth pairing, uses SSP (Secure Simple Pairing) which is added Numeric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

8) Role mode
Changes the Bluetooth Role mode.
- Classic
- BLE
- Classic & BRD

Supported Model
SRP-350IIOBE, SRP-350plusIII/352plusIII/350plusV/352plusV,
SRP-380/382/383/380II/382II,
SRP-F310II/F312II/F313II, SRP-Q300/Q302/Q200, SRP-Q300II,
SRP-S300/S320,G30
Bluetooth Pairing mode, Bluetooth Role mode change Supported Model
(Bluetooth module version IFJ-B5)
SRP-350plusIII/352plusIII/350plusV/352plusV,
SRP-Q300/Q302, SRP-Q300II,
SRP-S300/S320, SRP-380II/382II, G30

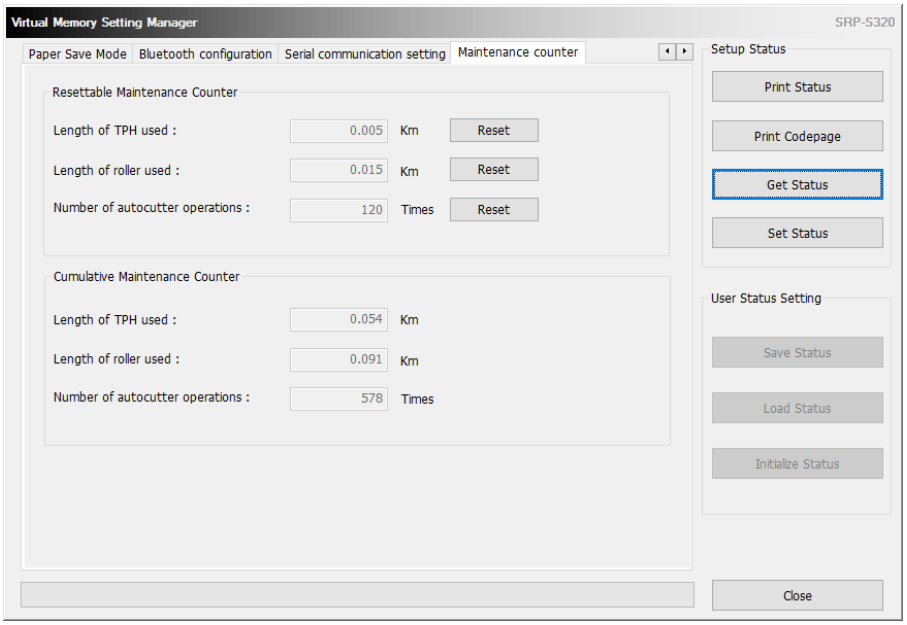
4-1-6 Maintenance counter

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



Supported Model
SRP-F310II/F312II/F313II, SRP-Q300/Q302, SRP-QE300/QE302
SRP-380/382/383, SRP-Q300II

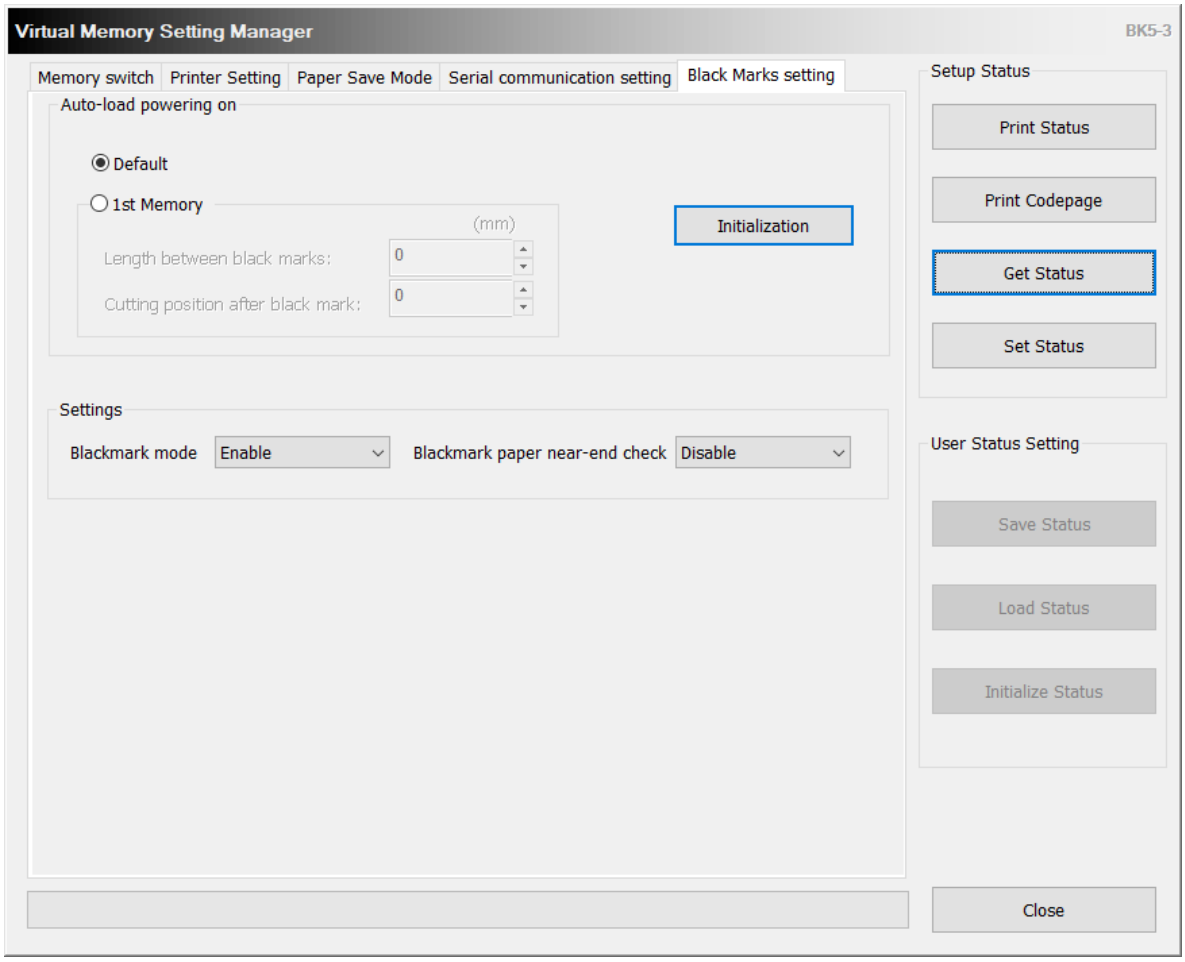
2) Some other models can manage resettable length of TPH used, length of roller used, number of auto cutter operations. Also, you can check cumulative counters.



Supported Model
SRP-S320, SRP-380II/382II

4-1-7 Black Marks setting

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



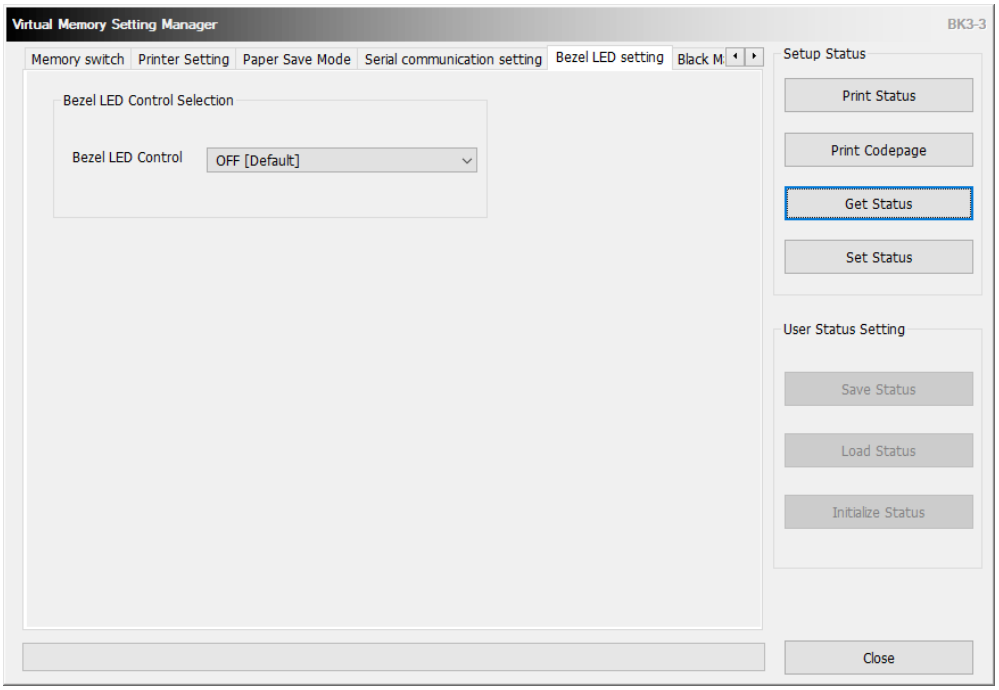
Supported Model

BK3-3, BK3-2, BK5-3

When the BK3-3 and BK3-2 are in Blackmark mode (DIP Switch 1-4 ON), the “Black Mark setting” tab appears, and only “Auto Load Powering on” can be set.

4-1-8 Bezel LED setting

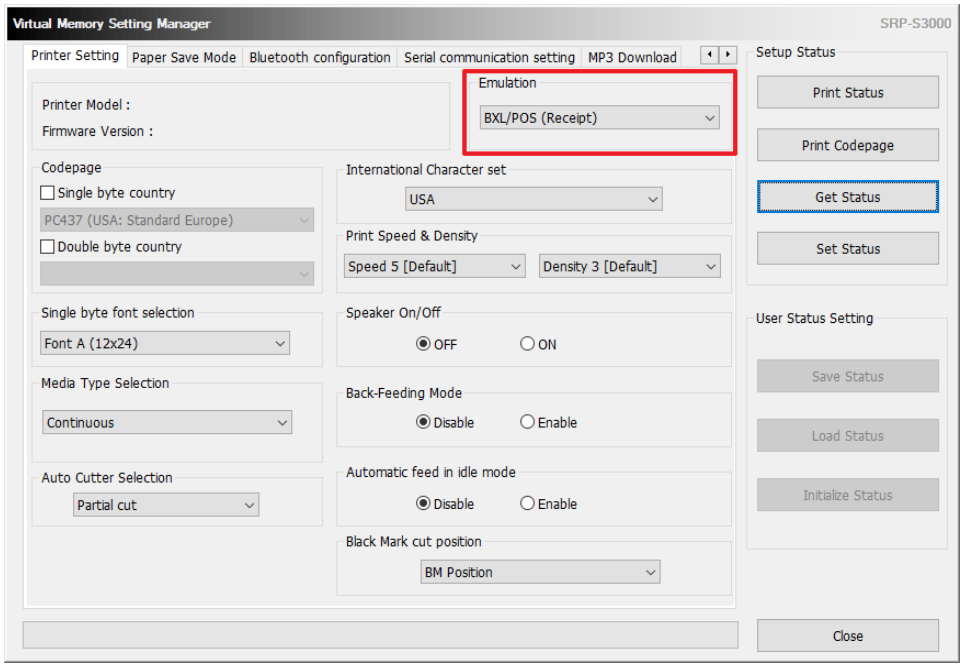
Bezel LED Control can be change by Bezel LED setting Tab.



Supported Model
BK3-3

4-1-9 Emulation

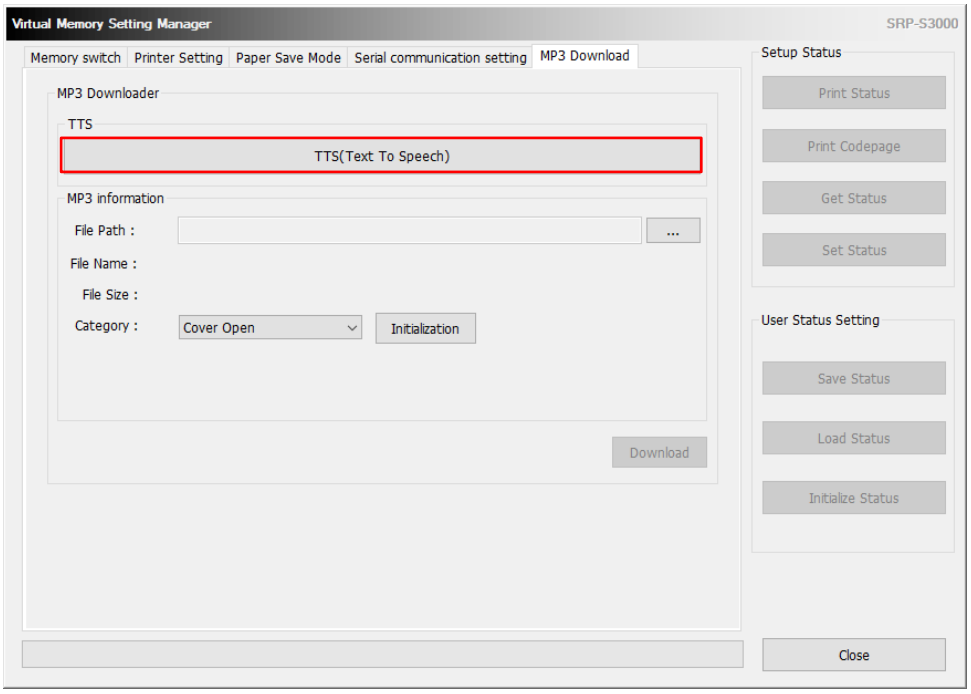
It can be change printer emulation.

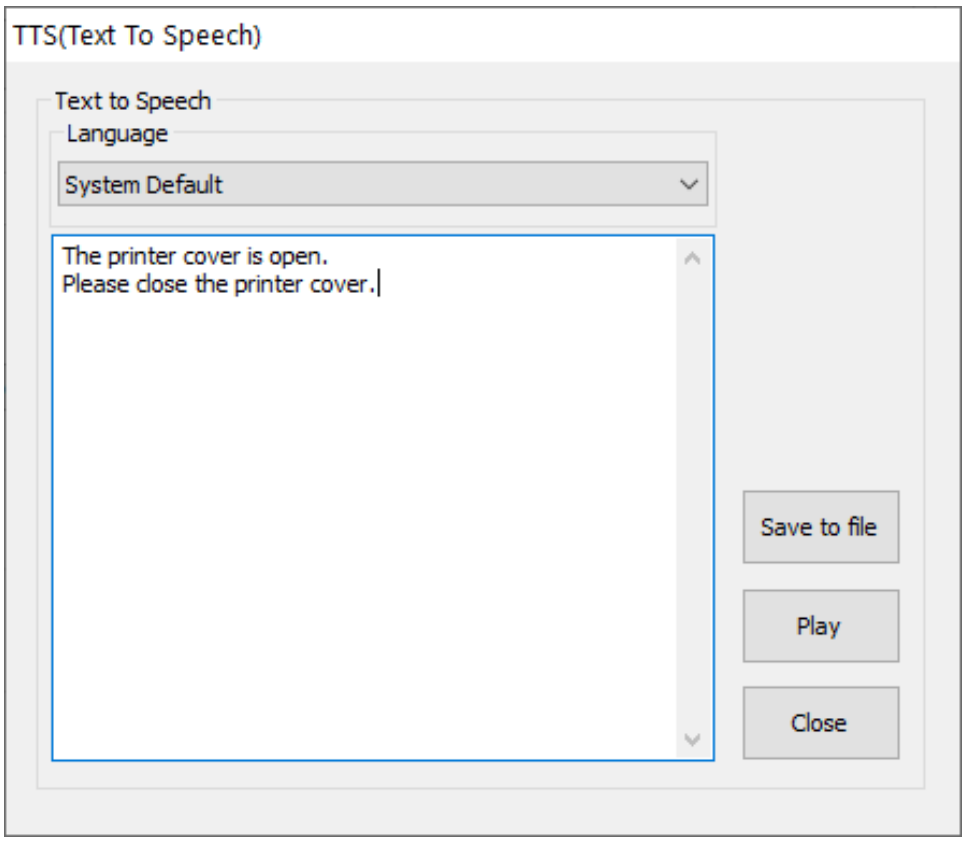


In case of SRP-S3000, when set emulation to SLCS (Label),
The printer needs reboot.
After the printer reboot, it is impossible to able to configure printer setting with Unified POS Utility.
To proceed with configure printer setting, please use Unified Label Utility-II

4-1-10 TTS

Click the “TTS (Text to Speech)” button in MP3 Download tab to convert text to speech.





1) Select a Language.

2) Enter your text.

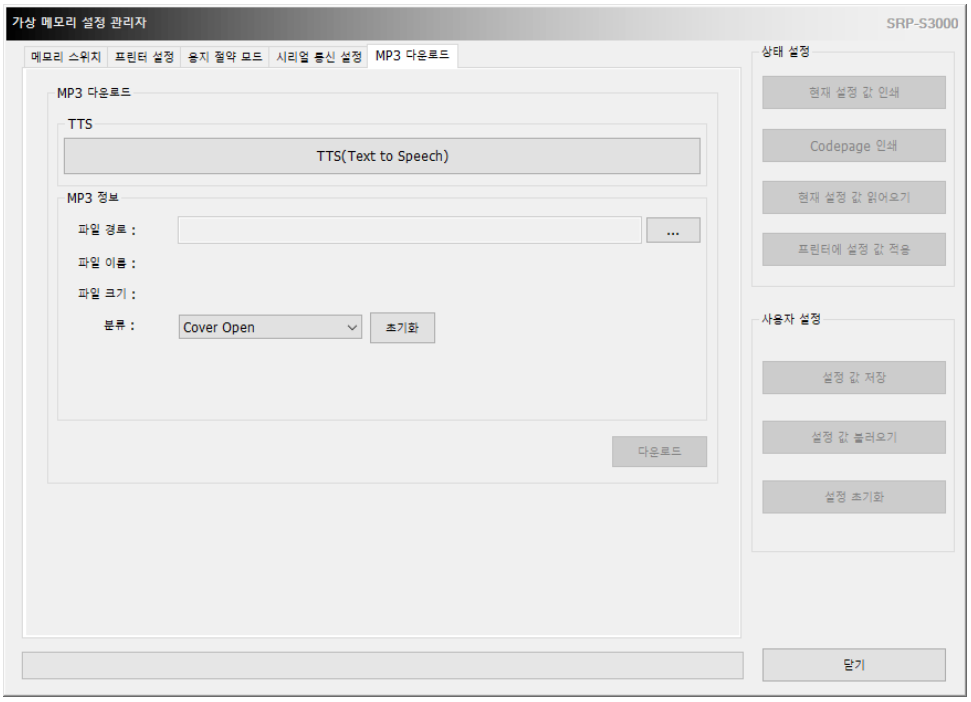
3) Click to “Save to file” button to save to MP3 file.

Supported OS
Windows 10 or later

Supported Models
SRP-S3000
To use a language other than System Default language, the language packs must be installed.
For instructions on how to install language packs, please refer to the link below.
Language packs for Windows (microsoft.com)

4-1-11 MP3 Download

Click the “MP3 Download” tab to download MP3 file.
After selecting a category, click the Initialization buttons to factory reset the MP3 file of the selected category.



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

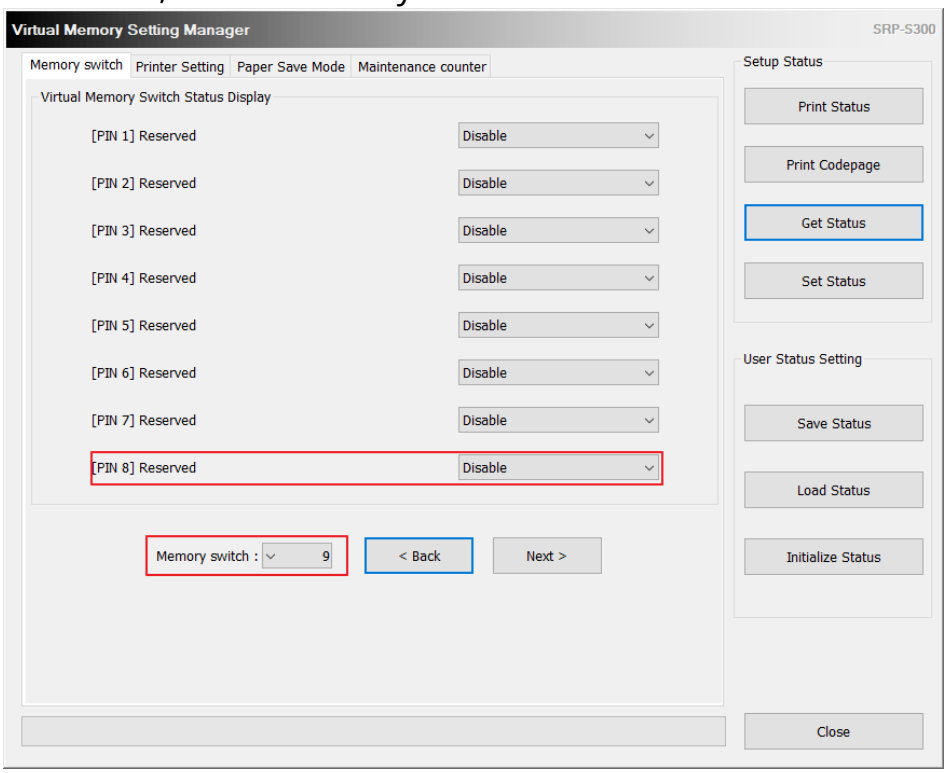
2) Select to save category.

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

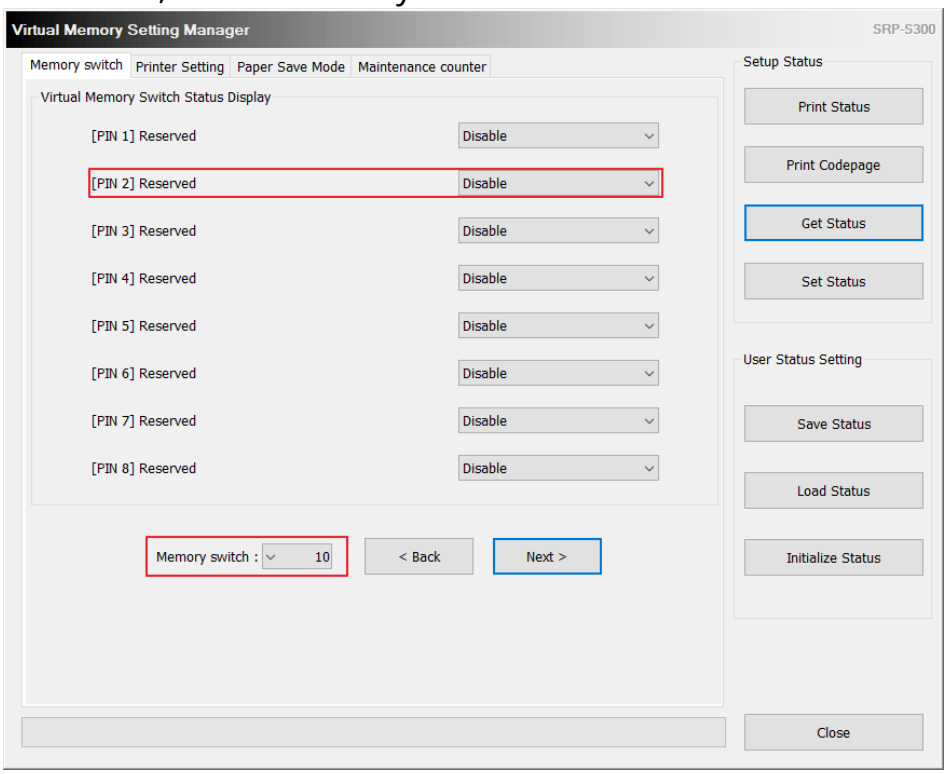
Supported Models
SRP-S3000

4-1-12 XCM/XPM

To enable "XCM" mode, enable memory switch 9-8



To enable "XPM" mode, enable memory switch 10-2.



XCM/XPM support models can be found in the manual of the XCM/XPM software.

Enabling both XCM/XPM functions may cause abnormal operation. Please enable only one of the two functions.

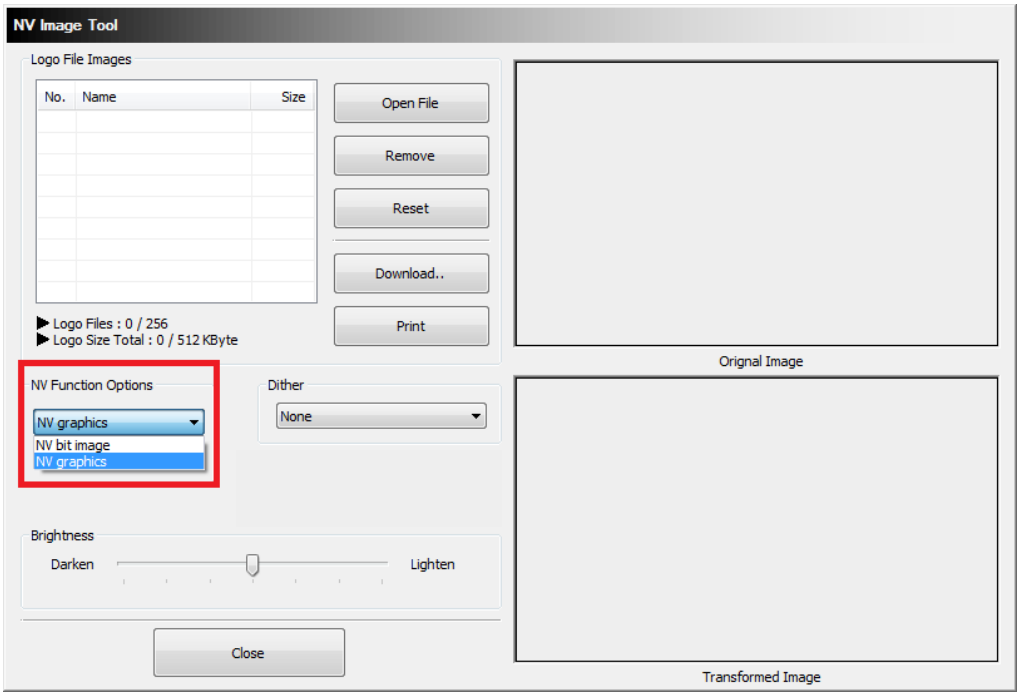
4-2 NV Image Tool

• 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

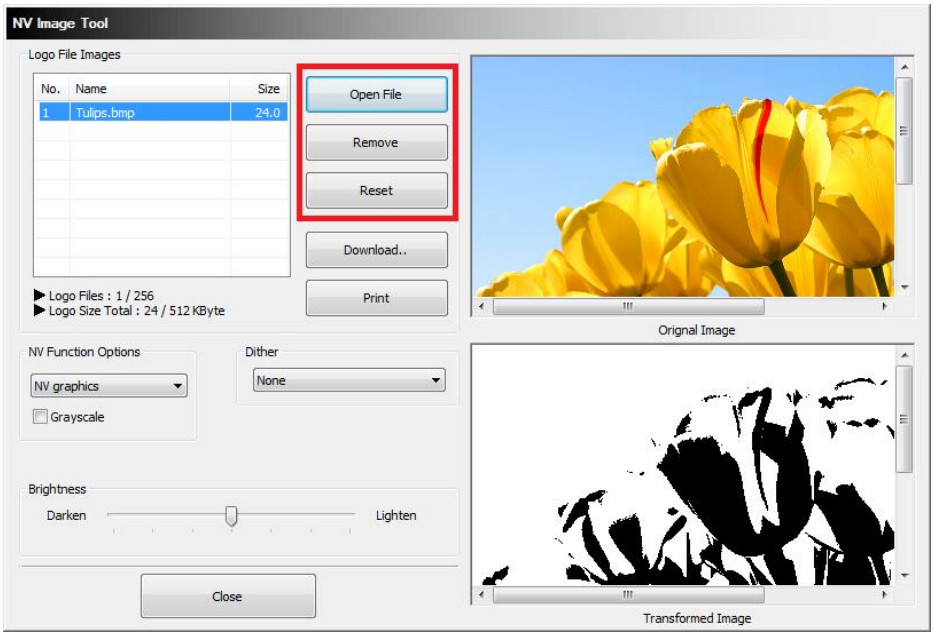
If the Printer is supported two-color mode, mono (NV bit image) or two-color (NV graphics) mode can be selected.



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

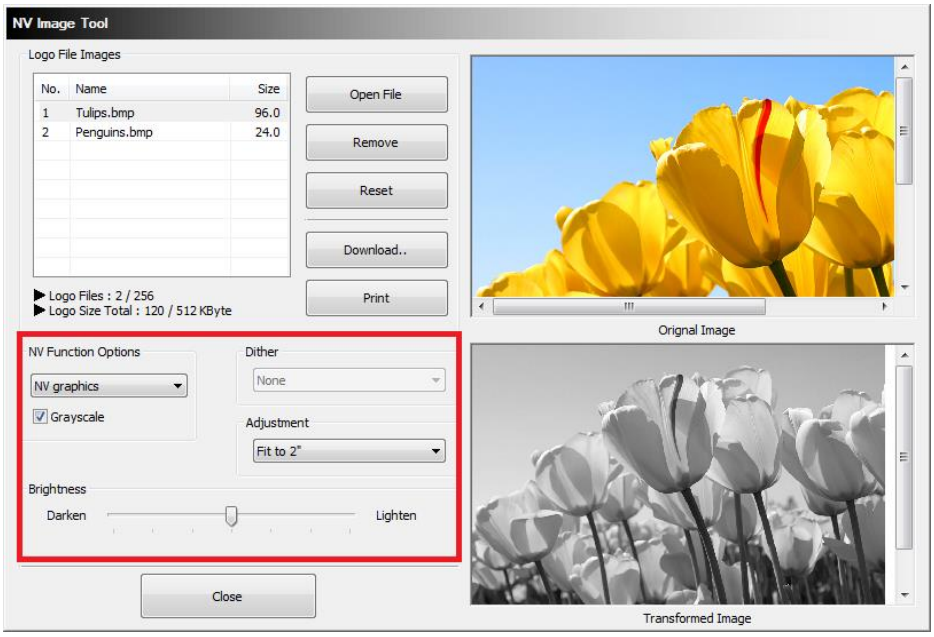
4-2-2 Image List Management

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.

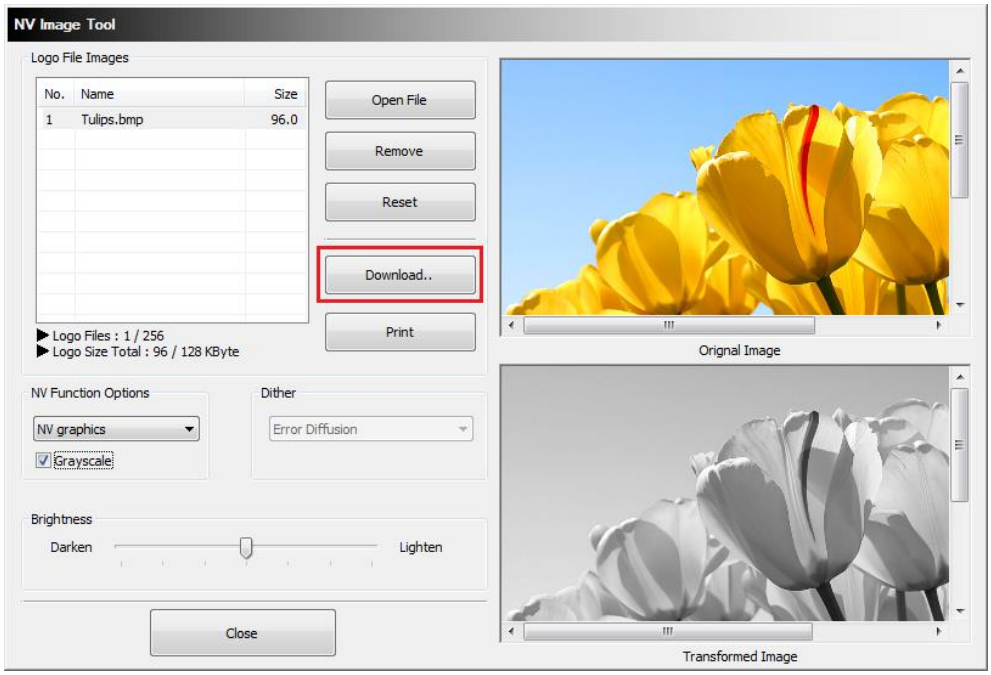


Supported model by ‘Adjustment’
SRP-380/382/383/380II/382II, SRP-E300/E302, SRP-Q300/Q302,
SRP-Q300II, SRP-QE300/QE302, SRP-S300, SRP-S320,
SRP-S3000, BK3-3, BK3-2,
SRP-B300, BK5-3, SPP-200, G30

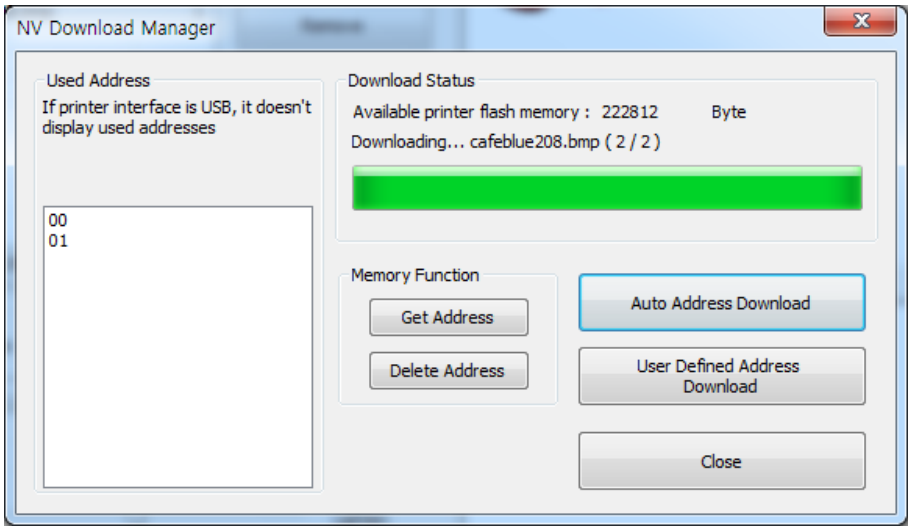
Supported model by ‘Grayscale’
BGT-100P/102P, SRP-330II/332II/330III/332III,
SRP-350plusIII/352plusIII/350plusV/352plusV,
SRP-380/382/383/380II/382II,
SRP-E300/E302, SRP-F310II/F312II/F313II,
SRP-Q300/Q302, SRP-QE300/QE302, SRP-Q300II
SRP-S300/S320/S3000/S200, G30
SRP-B300

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.

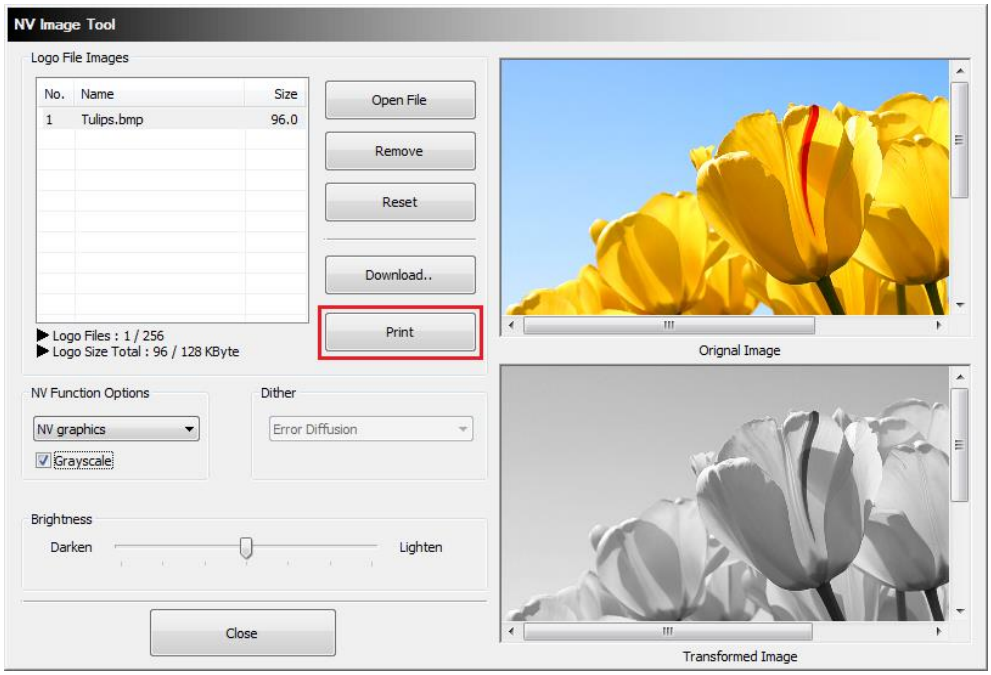


2) After all images stored on the corresponding printer are deleted, the image matching the selected resolution level is downloaded. The image is assigned a number according to the image list displayed on the screen.

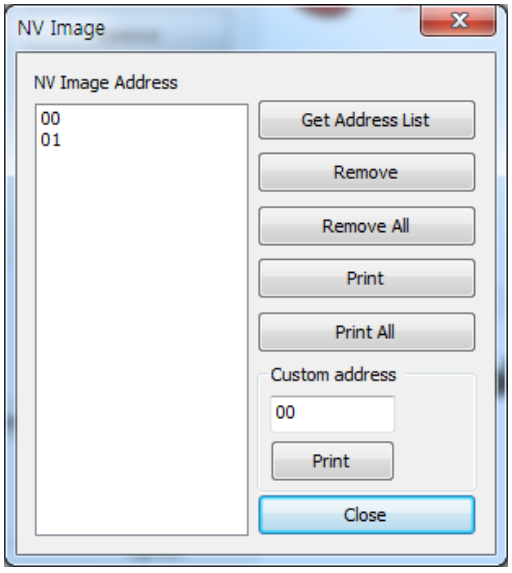


4-2-5 Print the image

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



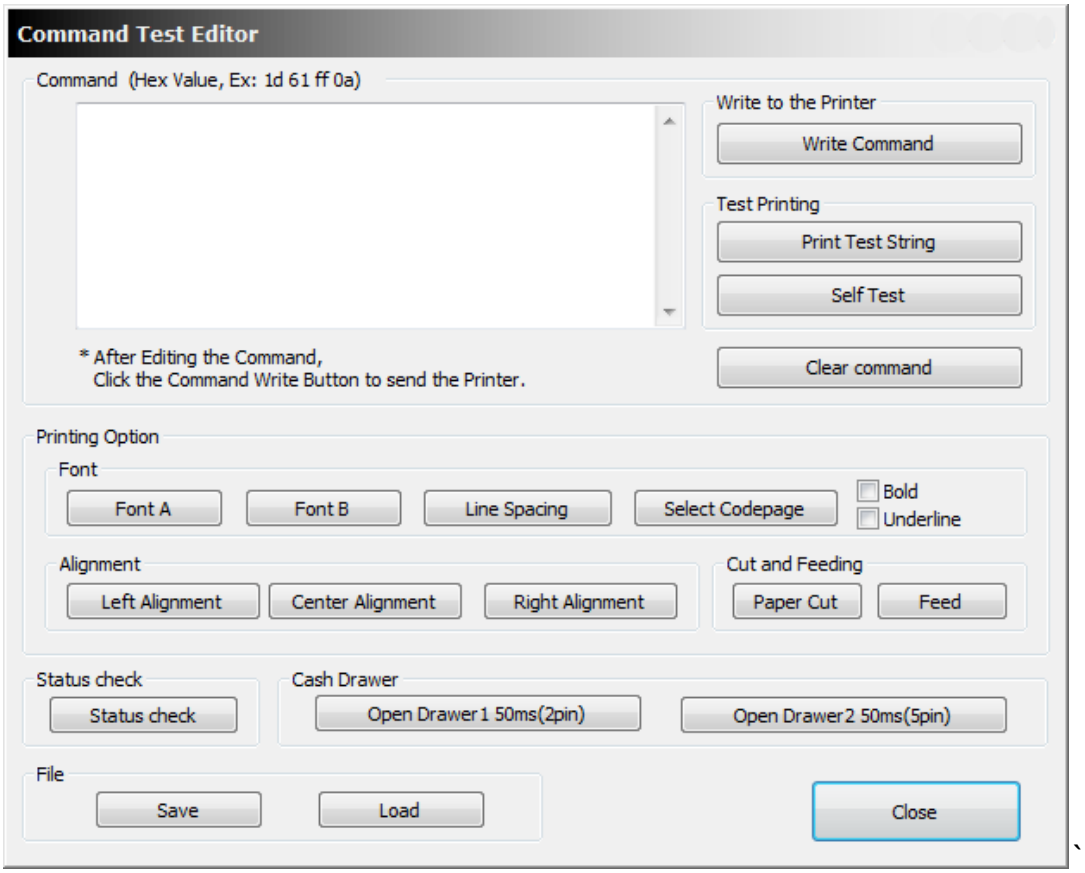
2) After selecting the image to print following the recall of the addresses of all currently stored images, press the “Print” button to print.



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.



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)

Revision history

Rev.	Date	Description
2.00	01-04-2018	New
2.01	31-08-2018	SRP-383 Added
2.02	22-11-2018	BK3-3 Added
2.03	08-03-2019	SRP-Q200 Added
2.04	27-05-2019	Black Marks setting Added
2.05	03-12-2019	Reception Error, Bluetooth Pairing mode, Role mode, Bezel LED setting, BK3-2 Added
2.06	17-09-2020	Supported OS Update, SRP-S320 Added, Maintenance counter describes Added, Bezel LED setting describes modified.
2.07	10-11-2020	SRP-S3000 Added, Emulation Setting, MP3 Download describes Added.
2.08	26-02-2021	SRP-B300, SRP-S200 Added
2.09	13-05-2021	TTS explanation Add MP3 Initialization Add
2.10	09-06-2022	SRP-330III/332III, SRP-350V/352V, SRP-350plusV/352plusV Add
2.11	30-08-2022	SRP-380II/382II Add
2.12	06-04-2023	BK5-3, G30, SPP-200 Add Cutter Depth Adjustment Delete
2.13	16-10-2023	SRP-Q300II Add
2.14	22-12-2023	XCM/XPM Add