

BIXOLON

Software Manual

Unified Label Utility-II

Ver. 2.15

<http://www.bixolon.com>

TABLE OF CONTENTS

Copyright	3
1. Manual guide.....	4
2. Operating System(OS) Environment.....	5
3. Supported models.....	6
4. Usage Preparation	8
5. Usage Method	9
5-1 User Setting Manager	9
5-1-1 Serial/Bluetooth Communication Setting	9
5-1-2 Basic Setting	10
5-1-3 Advanced Settings	11
5-1-3-1 Tear Off/Cutter Setting.....	11
5-1-4 Real-time Clock	12
5-1-5 Language.....	13
5-1-6 TTS.....	14
5-1-7 MP3 Download.....	16
5-1-8 Emulation	17
5-1-9 Power	18
5-1-10 Others.....	19
5-2 Configure Print Quality.....	20
5-3 Manual Calibration.....	21
5-4 PCX File Downloader	22
5-4-1 Image Store (IS command)	22
5-4-2 Image Information (II command).....	22
5-4-3 Image Delete (ID command)	23
5-4-4 Image Recall (IR command)	23
5-5 Image Converter	24
5-6 TTF Converter	25
5-6-1 TTF to Bitmap Font Converter	26
5-6-2 TTF to Vector Font Converter	27
5-7 BAS File Downloader	28
5-7-1 BAS file download (XS, XE command).....	29
5-7-2 BAS Information (XP, XN command)	29
5-7-3 BAS Delete (XD command)	29
5-7-4 XI Start/END(XI, XQ command)	29
5-8 File Transfer	30
5-9 Printer Tools	31
5-10 Communication Window	32
5-11 SLCS Test Tool.....	33
5-12 RFID Configuration	35

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".

1. Manual guide

The Unified Label Utility-II can be used for various purposes.

It is advisable to read the contents of this manual carefully before using "Unified Label Utility-II" utility for the first time.

1) User Setting Manager

This is for changing the printer's default settings such as serial settings, paper size, and print density according to the user's environment.

2) Configure Print Quality

This is used to check and set print quality by printing sample labels by the print quality.

3) Manual Calibration

This is for manual calibration of gap sensor.

4) PCX File Downloader, Image Converter

This store or remove the images in flash memory.

5) TTF to Bitmap Font Converter

This converts TTF (True Type Font) to bitmap font and saves or removes it in flash memory.

6) TTF to Vector Font Converter

This converts TTF (True Type Font) to vector font and saves or removes it in flash memory.

7) BAS File Downloader

This store or remove the BAS file in flash memory and execute or quit XI using stored BAS file.

8) File transfer

This sends the command file to the printer.

9) Printer Tools

This checks the information of a printer or performs the specified function.

10) Communication Window

This tests the commands for printing and checks the printer's response data.

11) SLCS Test Tool

This tests the SLCS (Bixolon Label Printer Emulation) command and creates a simple label.

12) RFID Set Configuration

This is used to changing printer's RFID settings such as RFID transponder type, sending/receiving power, coding position, number of coding retries, number of labels upon retry.

2. 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)

3. Supported models

Model	X Coordinates		Y Coordinates	
	Minimum	Maximum	Minimum	Maximum
SLP-TX400	0	864	0	Paper length
SLP-TX400R	0	864	0	Paper length
SLP-TX403	0	1248	0	Paper length
SLP-TX403R	0	1248	0	Paper length
SLP-DX420	0	864	0	Paper length
SLP-DX423	0	1248	0	Paper length
SLP-DX220	0	432	0	Paper length
SLP-DX223	0	672	0	Paper length
SLP-TX420	0	864	0	Paper length
SLP-TX423	0	1248	0	Paper length
SLP-TX220	0	432	0	Paper length
SLP-TX223	0	672	0	Paper length
SLP-DL410	0	864	0	Paper length
SLP-DL413	0	1248	0	Paper length
SRP-770III	0	832	0	Paper length
SRP-E770III	0	832	0	Paper length
SRP-S3000_LABEL	0	576	0	Paper length
XT5-40	0	832	0	Paper length
XT5-40NR	0	832	0	Paper length
XT5-43	0	1248	0	Paper length
XT5-43NR	0	1248	0	Paper length
XT5-46	0	2496	0	Paper length
XT5-46NR	0	2496	0	Paper length
XT3-40	0	864	0	Paper length
XT3-43	0	1248	0	Paper length
XD3-40d	0	832	0	Paper length
XD3-40t	0	832	0	Paper length
XD5-40d	0	864	0	Paper length
XD5-43d	0	1248	0	Paper length
XD5-40t	0	864	0	Paper length
XD5-40tR	0	864	0	Paper length
XD5-43t	0	1248	0	Paper length
XD5-43tR	0	1248	0	Paper length
XL5-40CT	0	864	0	Paper length
XL5-43CT	0	1248	0	Paper length
XQ-840	0	832	0	Paper length
XQ-843	0	1248	0	Paper length
SPP-L3000	0	576	0	Paper length

Unified Label Utility-II

SPP-L310	0	576	0	Paper length
SPP-L410	0	832	0	Paper length
XM7-40	0	832	0	Paper length
XM7-40R	0	832	0	Paper length
XM7-20	0	384	0	Paper length
SRP-770II/E770II	0	832	0	2600
SLP-T400	0	864	0	8000
SLP-T403	0	1248	0	5200
SLP-D420	0	864	0	8000
SLP-D423	0	1248	0	5200
SLP-D220	0	432	0	8000
SLP-D223	0	672	0	5200

4. Usage Preparation

1) Connection of Printer with PC

Connect the interface cable between the printer and the PC.

(The available interfaces are Serial, Parallel, USB, Ethernet(WLAN), and Bluetooth.)

2) Execution of Unified Label Utility-II Program

The latest version is downloadable from our homepage. (www.bixolon.com)

The file name is "Software_Unified_Label_Utility-II_Vx.x.x.exe".

3) Select the interface type and configure communication setting.

4) Click the "Connect" button.

If the connection is successful, the message "Success open port" appears and the buttons are activated. If a printer is not connected, the error message "Cannot open port! Please check printer and cable" appears.

The screenshot shows the 'Unified Label Utility-II' application window. It is divided into several sections:

- Interface Type:** Radio buttons for Serial, Parallel, USB (selected), Ethernet, and Bluetooth.
- Communication Setting:** A group of dropdown menus for Port (No Available Ports), Baud Rate (115200), Data Bits (8), Parity (None), Stop Bits (1), and Flow Control (Hardware). Below these are text input fields for IP (192 . 168 . 1 . 218) and Port (9100).
- User Setting:** Three buttons: Configure Printer Setting, Configure Print Quality, and Calibration Setting Manager.
- Downloader:** Five buttons: PCX File Downloader, Image Converter, TTF Converter, BAS File Downloader, and File Transfer.
- Printer Tool:** Three buttons: Printer Tool, Communication Tool, and SLCS Test Tool.
- RFID:** One button: Set Configuration.
- Select Language:** A dropdown menu currently set to English.
- Buttons:** 'Connect' and 'Disconnect' buttons are at the bottom left, and an 'EXIT' button is at the bottom right.

At the bottom of the window, a copyright notice reads: 'Copyright (C) BIXOLON Co., Ltd. All rights reserved.'

5. Usage Method

5-1 User Setting Manager

- This is used to change the default settings of the printer, such as serial / Bluetooth settings, paper size, print density, and media processing method, according to the user's environment.

Click the “Configure Printer Setting” button.

5-1-1 Serial/Bluetooth Communication Setting

- 1) Click the “Interface” tab.
- 2) Select the checkbox of the interface to be configured between serial and Bluetooth.

The screenshot shows the 'User Setting Manager' window with the 'Interface' tab active. The 'Serial Communication Setting' section is expanded, showing dropdown menus for Baudrate, Data Length, Parity, Stop Bit, and Protocol mode. The 'Bluetooth Communication Setting' section is also expanded, showing a 'USB Dongle Type' checkbox and dropdown menus for Device Name, Encryption, Connection Mode, Role Mode, Pairing Mode, PIN Code, and Mac Address. At the bottom of the window are four buttons: 'Default Setting', 'Get', 'Set', and 'Close'.

- 3) Click the “Get” button and check the printer settings.
- 4) After changing each set value, click the “Set” button.
- 5) After clicking the “Default Setting” button, click the “Set” button to set to default.

5-1-2 Basic Setting

1) By clicking the “Basic” tab, check the settings of label parameters, speed, print density, and media.

The image shows a 'User Setting Manager' dialog box with a close button (X) in the top right corner. It has three main tabs: 'Real-Time Clock', 'Language', and 'Others'. Under 'Real-Time Clock', there are sub-tabs 'Interface', 'Basic', and 'Advanced'. The 'Basic' sub-tab is selected. The 'Basic' tab contains three sections: 'Label Parameters', 'Speed and Darkness', and 'Media'. Each section has a 'Lock' checkbox on the right. The 'Label Parameters' section includes 'Label Width (dots):' with a value of 0, 'Label Height (dots):' with a value of 0, and 'Orientation:' with a dropdown menu. The 'Speed and Darkness' section includes 'Speed (inch/s):' and 'Darkness:' with dropdown menus. The 'Media' section includes 'Print Mode:', 'Media Type:', 'Tear off adjust (dots):' with a value of 0, and 'Print Offset (dots):' with a value of 0. At the bottom, there are two buttons: 'Get From Printer' and 'Set to Printer', followed by a 'UNIT:' dropdown menu and a 'Close' button.

2) Click the “Get From Printer” button to check the printer settings.

3) Label Width, Label Height, Tear off adjust, Print Offset units can be changed in dots, inch, mm by changing "UNIT".

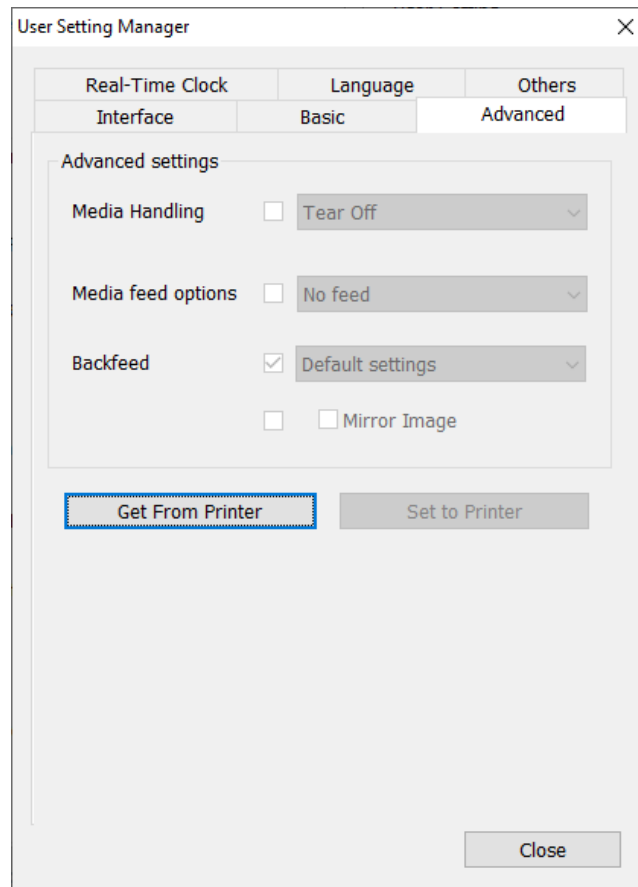
4) Change the values as desired.

5) Select the Lock Checkbox to lock the setting.

6) After changing each value, click the “Set to Printer” button to apply it to the printer.

5-1-3 Advanced Settings

1) By clicking the “Advanced” tab, check the current settings of the media processing method.



2) Click the “Get” button to check the printer settings.

3) Change the values as desired.

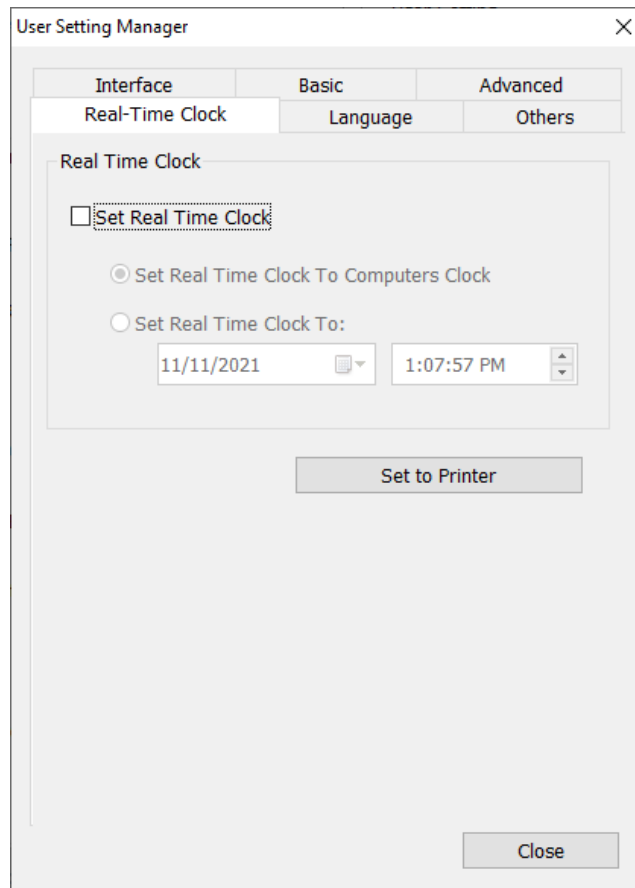
4) After changing each value, click the “Set to Printer” button to apply it to the printer.

5-1-3-1 Tear Off/Cutter Setting

Tear Off/Cutter option can be set via change the Media Handling in “Advanced” tab.

5-1-4 Real-time Clock

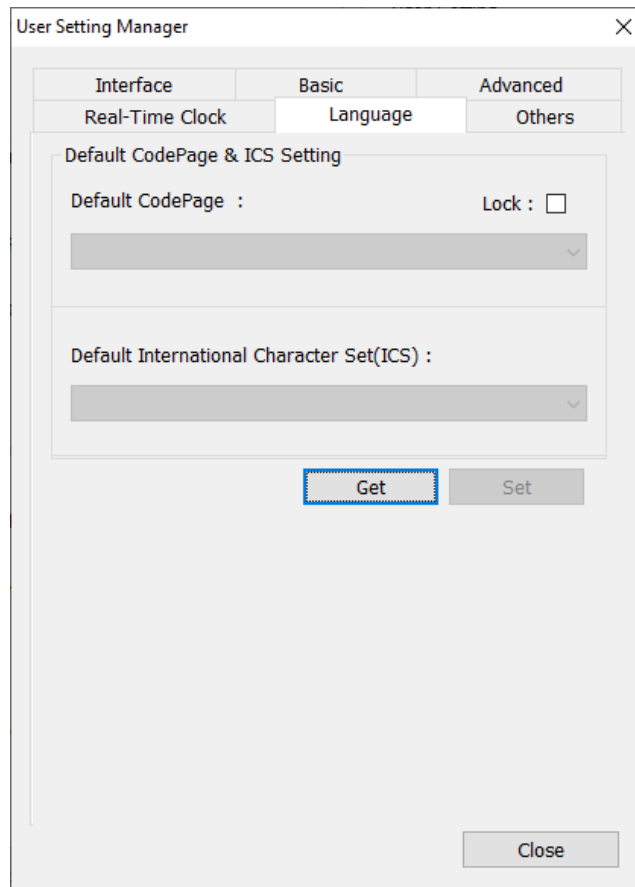
1) By clicking the “Real-time Clock” tab, check the current settings of the real-time clock.



2) Click the “Set to Printer” button to apply the specified time to the printer.

5-1-5 Language

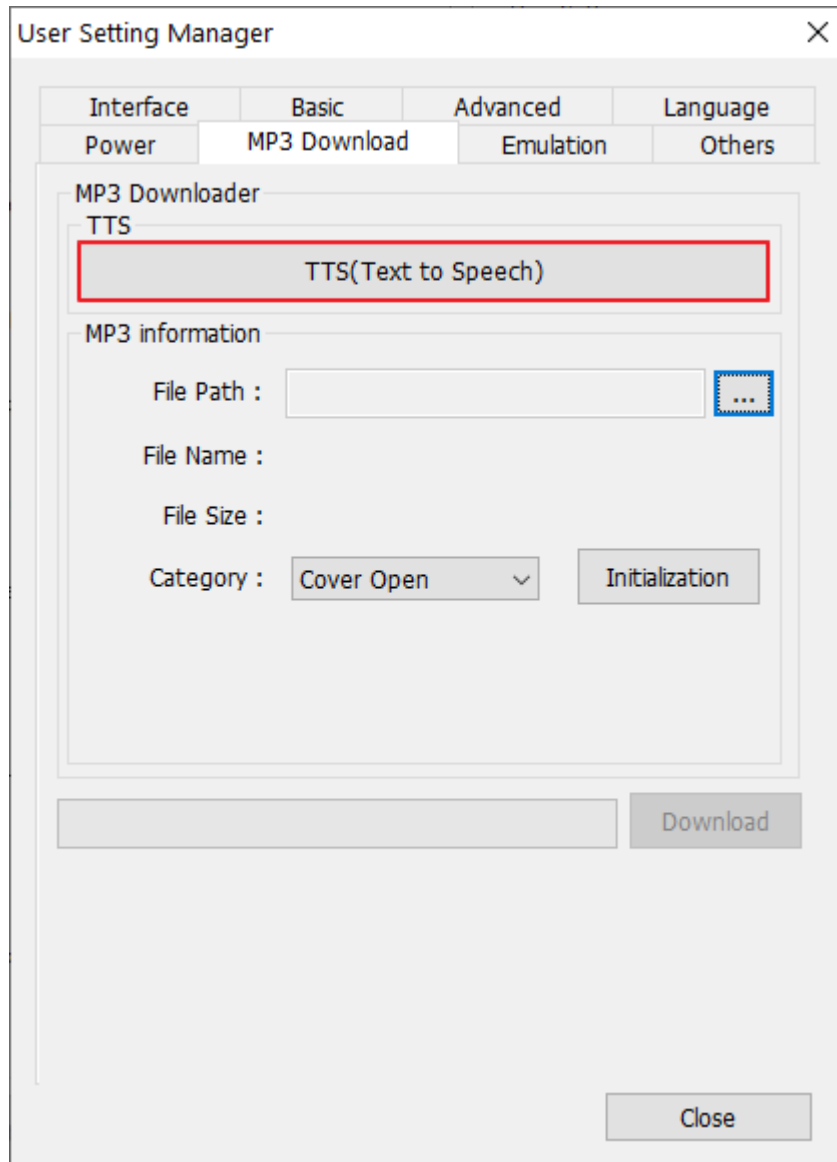
- 1) Click the “Language” tab to display the values of the default codepage and the default international character set.

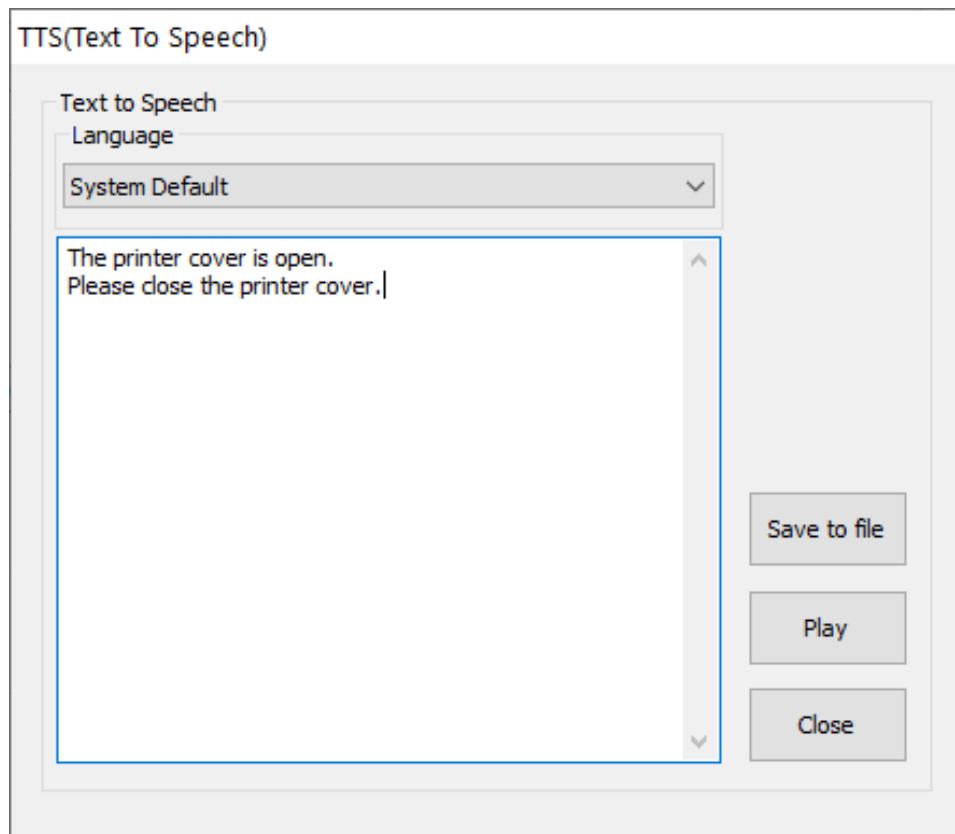


- 2) Click the “Get” button to check the printer settings.
- 3) After changing each value, click the “Set” button to apply it to the printer.

5-1-6 TTS

- 1) The “TTS” function is supported Windows 10 or later.
- 2) The “TTS” function is for SRP-S3000_LABEL only.
- 3) 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_LABEL

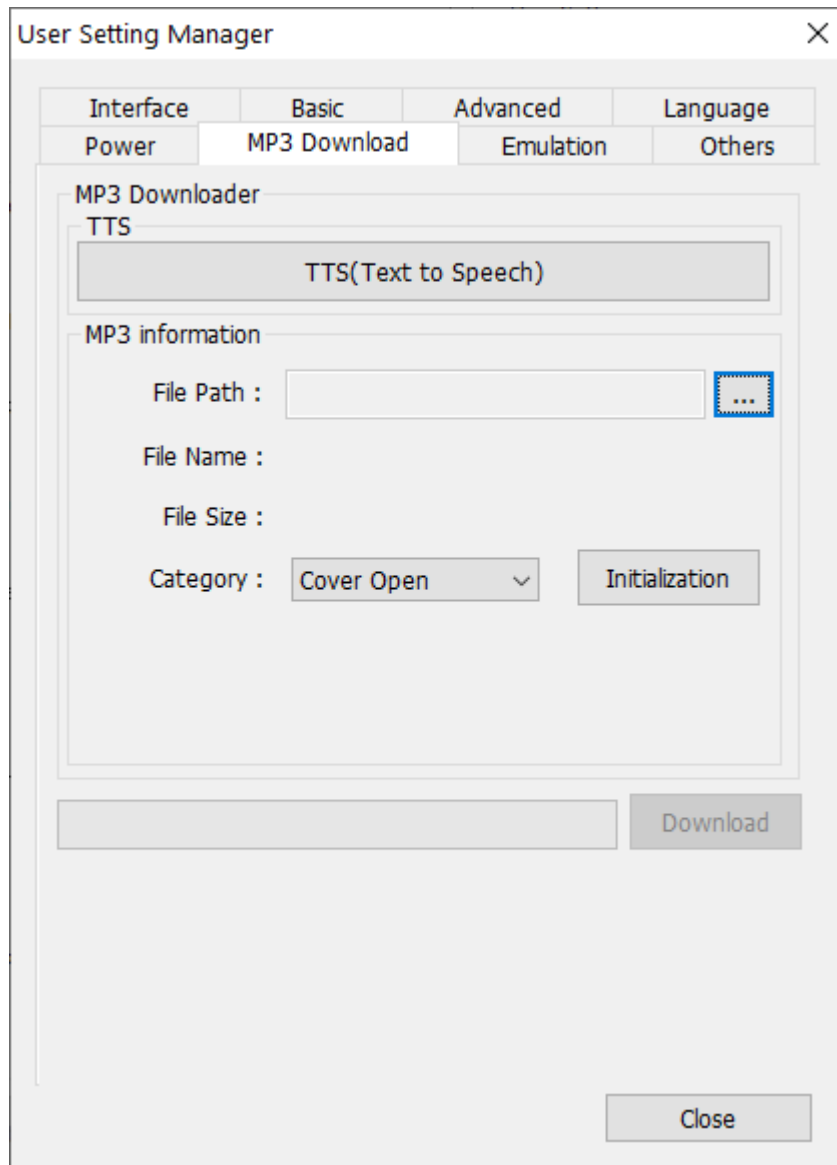


To use a language other than System Default language, the language packs must be installed.
For instructions on how to install language packs, please refer to the link below.

[Language packs for Windows \(microsoft.com\)](https://www.microsoft.com/language/packs)

5-1-7 MP3 Download

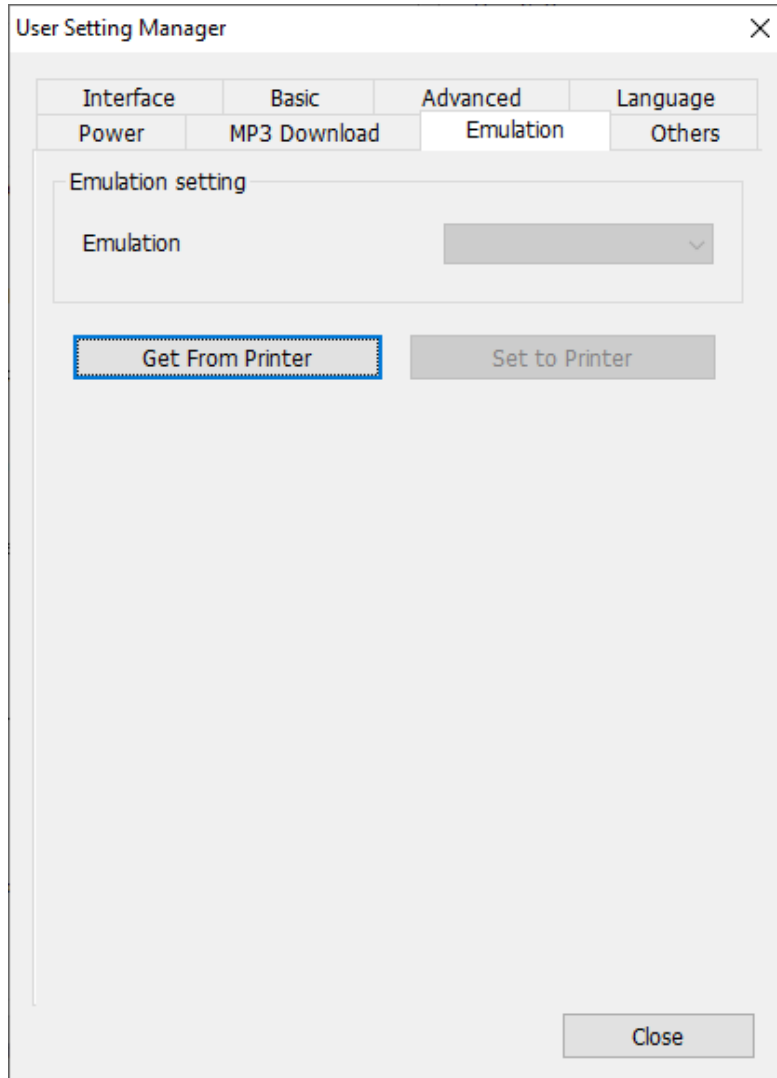
- 1) The “MP3 Download” Tab is for SRP-S3000_LABEL only.
- 2) Click the “MP3 Download” tab to download MP3 file.
After selecting a category, click the Initialization buttons to factory reset the MP3 file of the selected category.



- 3) Select MP3 file(*.mp3, *.MP3) which file size less than 2MB.
- 4) Select to save category.
- 5) Click to “Download” button to start download.

5-1-8 Emulation

- 1) The “Emulation” Tab is for SRP-S3000_LABEL only.
- 2) Click the “Emulation” Tab to display the value of emulation.



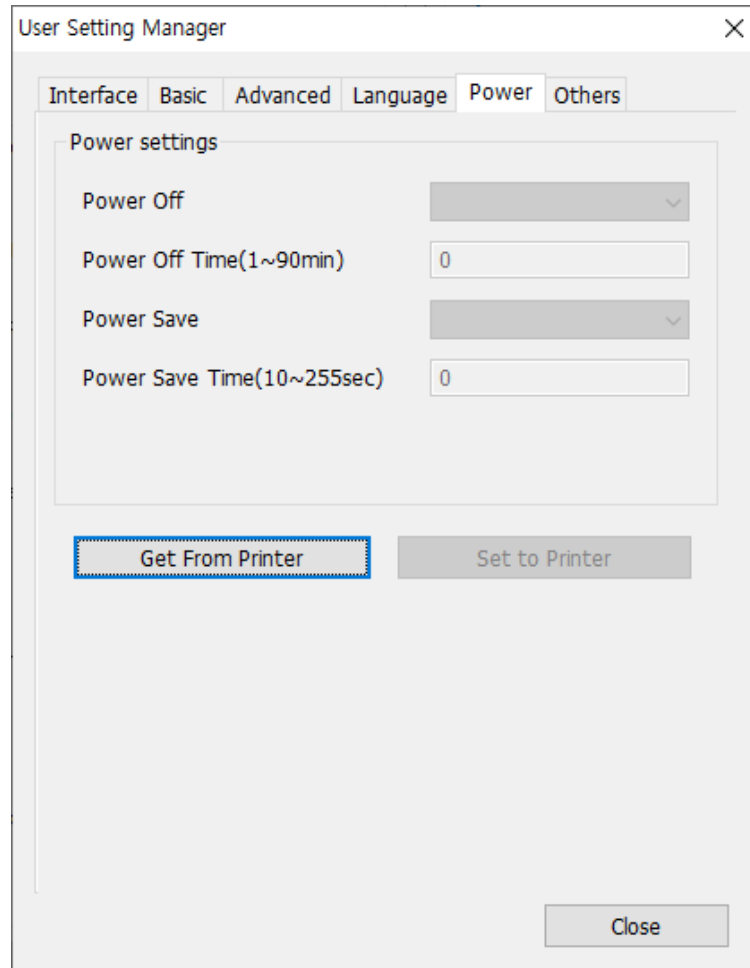
- 3) Click the “Get From Printer” button to check the printer settings.
- 4) After changing emulation, click the “Set to Printer” button to apply it to the printer.



In case of set emulation to BXL/POS (Receipt),
The printer needs reboot.
After the printer reboot, it is impossible to able to configure printer
setting with Unified Label Utility-II.
To proceed with configure printer setting, please download at our
homepage(www.bixolon.com) and use Unified POS Utility.

5-1-9 Power

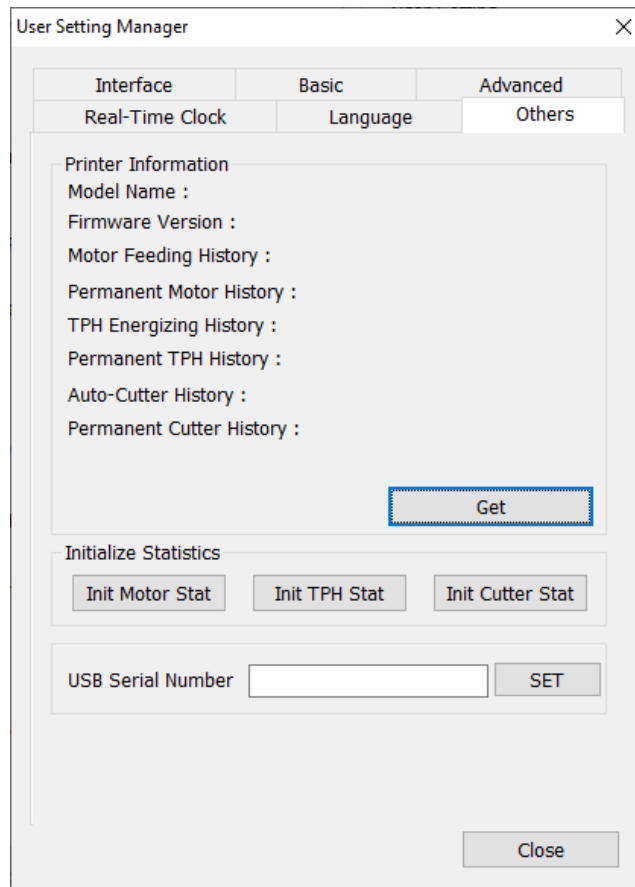
- 1) The “Power” Tap is for mobile label printer, “SRP-S3000_LABEL” only.
- 2) Click the “Power” tab to display the Power Off, Power Off Time, Power Save, Save Time setting screen.



- 3) Click the “Get From Printer” button to check the printer settings.
- 4) After changing each value, click the “Set to Printer” button to apply it to the printer.

5-1-10 Others

1) Click the “Others” tab to display the printer information, information initialization button, and USB serial number setting screen.



2) Click the “Get” button of the “Printer Information” to display the printer settings.

3) Click the “Init Motor Stat,” “Init TPH Stat,” “Init Cutter Stat” buttons to initialize each value.

4) After entering 16 characters in USB serial number, click the “Set” button.

5-2 Configure Print Quality

- This is used for printing sample labels by the print quality to check and set print quality.

Configure Print Quality

Automatic or Manual Setting

☒ Print sample labels and choose print Speed and Darkness

☐ Manually select Speed and Darkness

Select number of labels

Number of labels to print : 0

Select Speed and Darkness

Speed : 3.0 inch/s

Darkness : 8

Print Sample label(s)

Label Identifier

Speed :

Darkness :

☐ Save settings to File

Set to Printer

Close

- Printing of sample label and selecting of speed and print density

- 1) Select the desired number from "Select number of labels."
- 2) Click the "Print Sample label(s)" button, and sample labels will be printed at random speed and print density (darkness).
- 3) After checking the printing result, select the desired setting from "Label Identifier" and click the "Set to Printer" button to apply it to the printer.

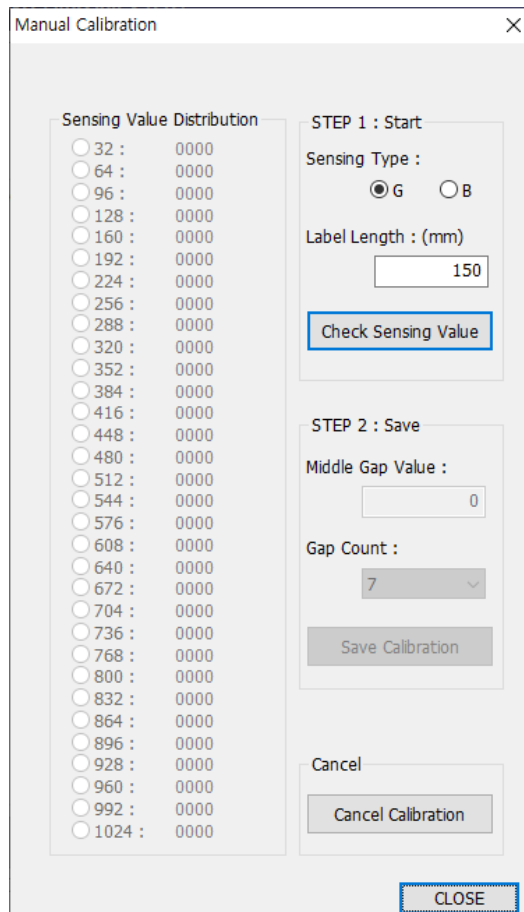
- Selecting of manual speed and print density

- 1) Select the desired speed and print density (darkness).
- 2) Click the "Print Sample label(s)" button to check the print of the selected setting.
- 3) "Click the "Set to Printer" button to apply the settings to the printer.

5-3 Manual Calibration

- The manual calibration function of gap sensor is used when the printer cannot sense the gap (or black mark) of the label paper even after using the automatic calibration function.

Click the “Calibration Setting Manager” button.



The dialog box is titled "Manual Calibration" and contains the following elements:

- Sensing Value Distribution:** A list of 20 radio buttons, each followed by a value. The values are: 32, 64, 96, 128, 160, 192, 224, 256, 288, 320, 352, 384, 416, 448, 480, 512, 544, 576, 608, 640, 672, 704, 736, 768, 800, 832, 864, 896, 928, 960, 992, 1024. All values are followed by "0000".
- STEP 1 : Start**
 - Sensing Type :** Two radio buttons, "G" (selected) and "B".
 - Label Length : (mm)** A text box containing "150".
 - Check Sensing Value** A button.
- STEP 2 : Save**
 - Middle Gap Value :** A text box containing "0".
 - Gap Count :** A dropdown menu showing "7".
 - Save Calibration** A button.
- Cancel**
 - Cancel Calibration** A button.
- CLOSE** A button at the bottom right.

- 1) After selecting Sensing Type and entering Label Length(mm), click the “Check Sensing Value” button.
- 2) Select the desired value among the values on the left and click the “Save Calibration” button.
- 3) If sensing is not performed normally, select another value and click again the “Save Calibration” button.
- 4) Click the “Cancel Calibration” button to reset to the default value.

5-4 PCX File Downloader

- Store and manage the images in flash memory.

The screenshot shows a window titled "PCX File Downloader" with a close button (X) in the top right corner. The window is divided into several sections:

- Image Store (IS)**: Contains a file selection button (three dots), an "Image Name" input field, and a section for "Image File Information" showing "File Name: None" and "File Size: 0 Byte". Below this are "DownLoad" and "Save as File" buttons.
- Image Delete (ID)**: Contains an "Image Name" input field and "Delete Image" and "Delete All Images" buttons.
- Image Information (II)**: Contains a button labeled "Image Information".
- Image Recall (IR)**: Contains an "Image Name" input field, "X Position" and "Y Position" input fields (both set to 0), and "Image Recall" and "CLOSE" buttons.

5-4-1 Image Store (IS command)

- 1) Select the image file (*.pcx, *.bmp, *.jpg).
- 2) Enter "Image Name" and click the "DownLoad" button to start the download.
The entered Image Name is used to retrieve (IR) or delete (ID) the image.
- 3) "Save as File" function is image store command save as file to PC.

5-4-2 Image Information (II command)

Prints the information of the image stored in the printer.

5-4-3 Image Delete (ID command)

1) Deletion of a specific image

Enter the image name to be deleted and click the “Delete Image” button.

2) Deletion of all images

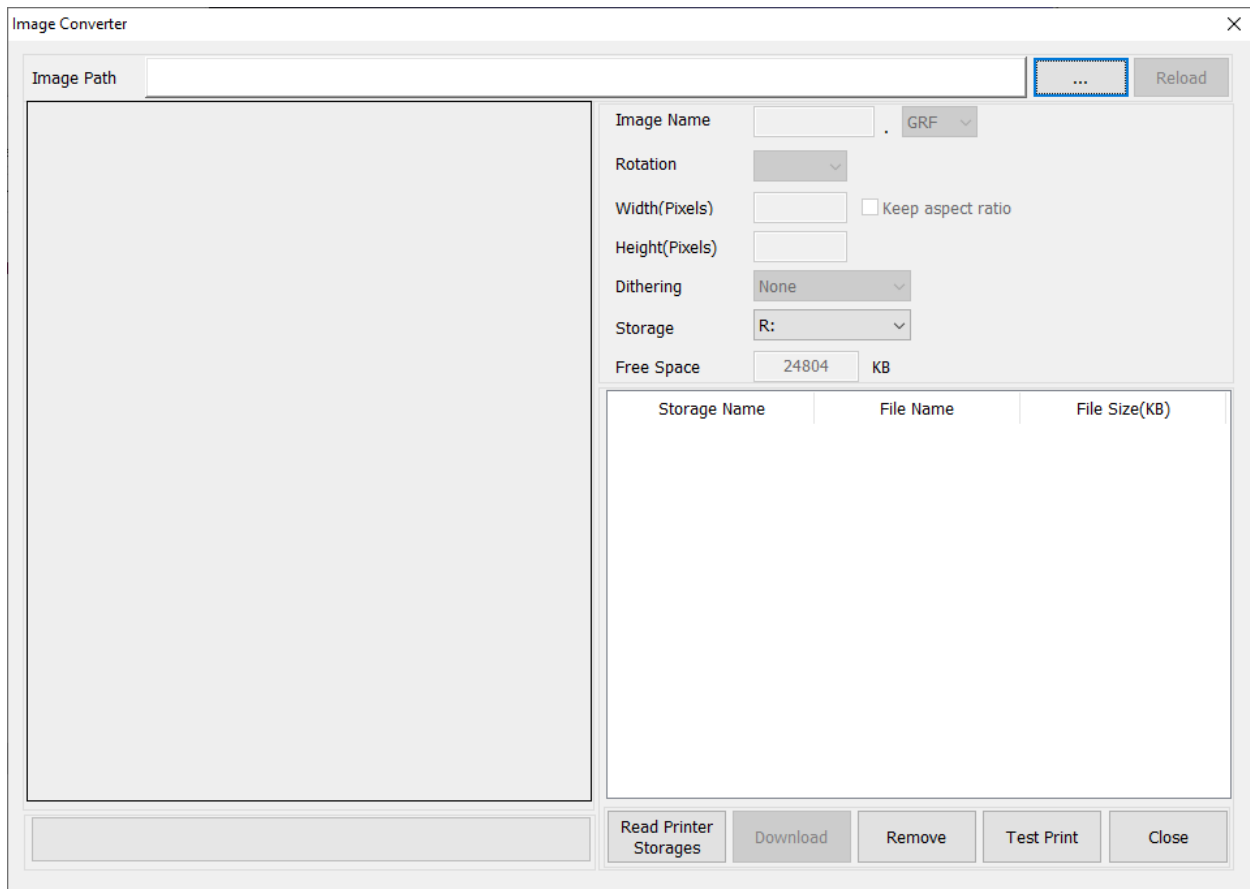
Click the “Delete All Images” button.

5-4-4 Image Recall (IR command)

In order to output the stored image, enter the image name and click the “Image Recall” button.

5-5 Image Converter

- Store or remove the images in flash memory.



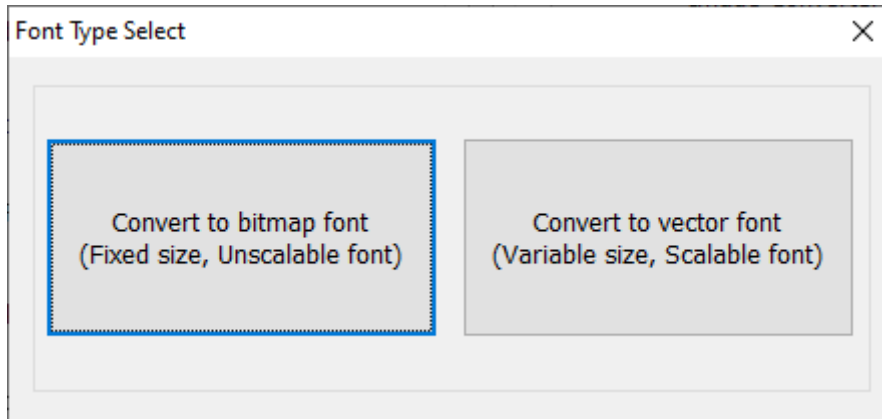
- 1) Select image file(*.pcx, *.bmp, *.jpg, *.png, *.tif) via “...” or Image Path white button.
- 2) Enter image name and select extension.
- 3) The image can be edited by Rotation, Width and Height adjust, Dithering options.
- 4) Click the “Reload” button to return the image to the state before modification.
- 5) Select the Storage.
- 6) Click the “Download” button to start the download.



Because default storage “R:” is area of RAM(Random Access Memory), If the printer power off, the stored data is not maintained. Some of printer's settings (media type, label height) may change during test printing.

5-6 TTF Converter

- Choose which type of font to convert TTF to.



Fonts that have been converted and downloaded to the printer can be used through the emulation below depending on the type.

- Bitmap font

Desktop/Industrial Label Printer	SLCS
Mobile Label Printer/SRP-S3000_LABEL	SLCS, BPL-C

- Vector font

Desktop/Industrial Label Printer	BPL-Z
Mobile Label Printer/SRP-S3000_LABEL	"FNT", "TTF", "TTE" extension font : BPL-Z "CSF" extension font : BPL-C

Please note that some True Type fonts are subject to copyright protection, and you must comply with the terms of use and copyright notices for the fonts you want to use.

BIXOLON is not responsible for any direct or indirect damages, arising from or related to use of True Type fonts.

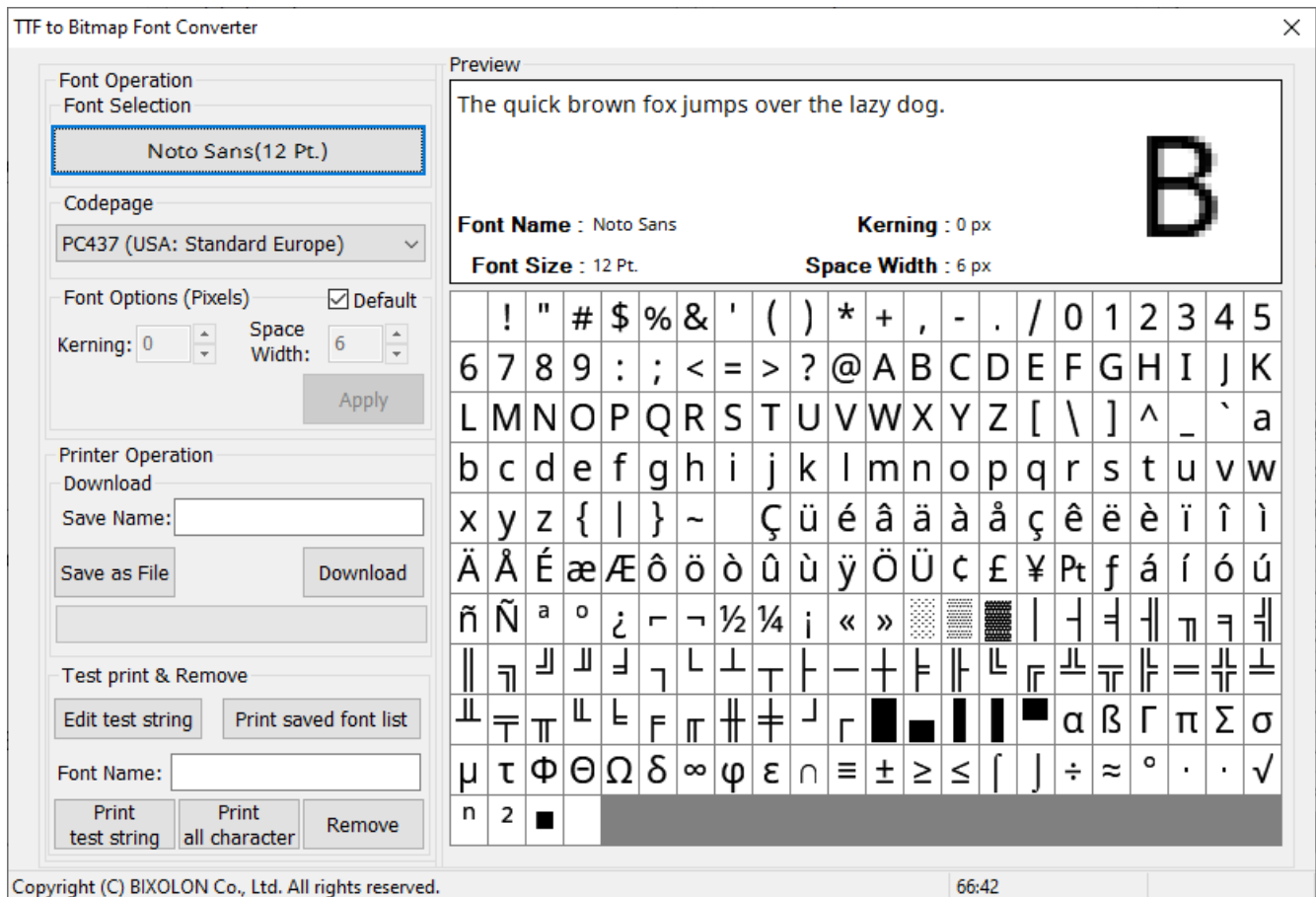


This utility does not either install TTF(True Type Font) on your system or provide font files. The TTF you to be utilized must be installed in the system.

When convert to bitmap font, it may not support all or part of the supported code page depending on the TTF.
Not supported characters are displayed to empty characters.

5-6-1 TTF to Bitmap Font Converter

Converts TTF (True Type Font) to bitmap font and saves or removes it in flash memory.



- 1) Select True Type font via “Font Selection” button.
- 2) Choose the Codepage. Doublebyte codepage does not supported.
- 3) Enter the Font Options(Kerning, Space Width) and then click “Apply” button.
If you are using the default, skip this step.
- 4) Enter the save name to be saved in the printer.
Desktop/industrial label printers except “SRP-S3000_LABEL” can be selected from A to Z.
- 5) Click the “Download” button to start the download.



Some of printer's settings (media type, label height, print orientation) may change during test printing.
Reboot the printer to revert the changed settings.

5-6-2 TTF to Vector Font Converter

- Converts TTF (True Type Font) to vector font and saves or removes it in flash memory.

The screenshot shows a window titled "TTF to Vector Font Converter" with a close button (X) in the top right corner. The window is divided into two main sections. The top section, "Convert Information", contains four fields: "TTF Name" with a text input and a browse button "..."; "Font Name" with a text input and a dropdown menu currently set to "FNT"; "Storage" with a dropdown menu currently set to "R:"; and "Free Space" showing "24804 KB". The bottom section, "Storage Font List", contains a table with three columns: "Storage Name", "File Name", and "File Size(KB)". The table is currently empty. Below the table is a large empty rectangular area. At the bottom of the window are five buttons: "Read Printer Storages", "Download", "Remove", "Test Print", and "Close".

- 1) Select True Type Font via "... " or TTF Name white button.
- 2) Enter font name and select extension.
- 3) Select the Storage.
- 4) Click the "Download" button to start the download.



Because default storage "R:" is area of RAM(Random Access Memory), If the printer power off, the stored data is not maintained. Some of printer's settings (media type, label height) may change during test printing.

5-7 BAS File Downloader

- Store or remove the BAS file in flash memory and execute or quit XI using stored BAS file.



Because storage "A:" is an area of USB storage, USB storage must be inserted to the printer for using the function related storage "A:".

BAS File Downloader

BAS File Download(*.BAS, *.bas)

C:\Temp\Basic Types and Expressions\STRING_C

BAS File Information

File Name: STRING CONCAT.BAS

File Size: 187 Bytes

BAS Name : STRING_CONCAT.BAS

Download to >> E: ▾

BAS Information

BAS Information Print

Get BAS Information from >> E: ▾

Storage Name	BAS File Name
E:	ARRAYS.BAS
E:	ASSIGNMENT.BAS
E:	BOOLEAN.BAS

BAS Delete

Storage : E: ▾

BAS File Name : STRING_CONCAT.BAS

Delete BAS Delete All BAS

XI Execute

Storage : E: ▾

BAS File Name : STRING_CONCAT.BAS

XI Start XI END

CLOSE

5-7-1 BAS file download (XS, XE command)

- 1) Click on “...” button to select BAS file (*.BAS, *.bas).
- 2) Enter the BAS name.
- 3) Select the storage.
- 4) Click on “DownLoad to >>” button to start the download.

5-7-2 BAS Information (XP, XN command)

- 1) If you click on “BAS Information Print” button, the printer will print all the BAS files for every storage stored in the printer.
- 2) If you want to check the BAS file information currently stored on the printer manually using the utility, first select the storage.
- 3) If you click on “Get BAS Information from >>” button, the BAS file information currently stored on the printer will be shown in the list box below the button.

5-7-3 BAS Delete (XD command)

- 1) Select one of the items shown in the list box or enter BAS file name and storage manually.
- 2) If you click on “Delete BAS” button, the printer erase BAS file.
- 3) To delete all BAS files stored in a specific storage of the printer, select the storage and click on “Delete All BAS” button.

5-7-4 XI Start/END(XI, XQ command)

- 1) Select one of the items shown in the list box or manually enter BAS file name and storage.
- 2) If you want to execute the XI, click on “XI Start” button.
- 3) If you want to quit the XI, click on “XI End” button.

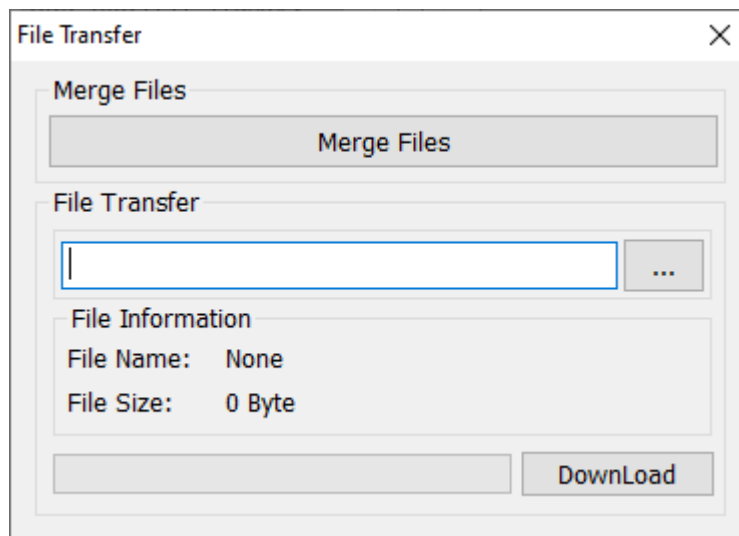
5-8 File Transfer

- It transfers the file to the printer.



The contents of the file should consist of commands supported by the printer.

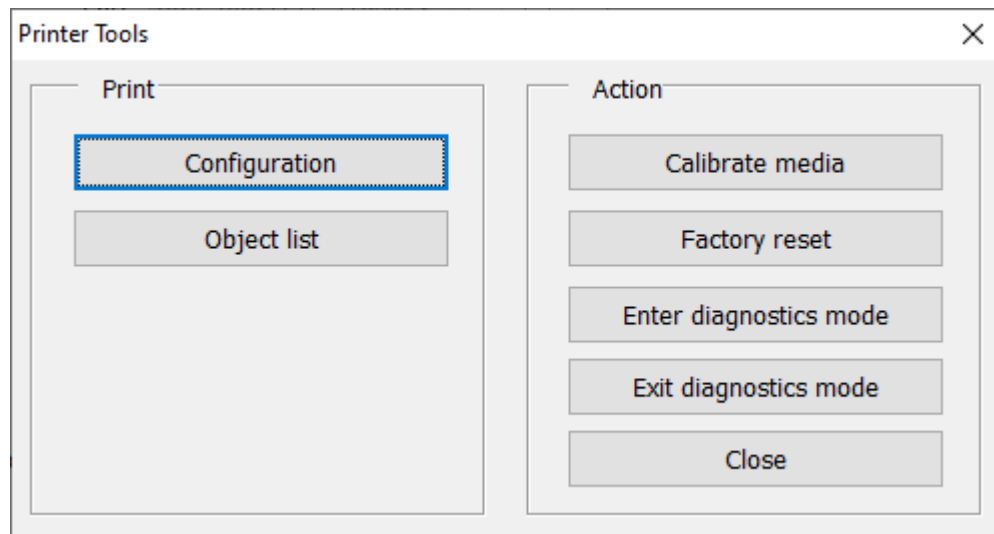
- 1) If you need to send multiple files to the printer, you can use the “Merge Files” function to merge the files and send them at once.
- 2) Click on “Select File” button to choose the file.



- 3) Click on “Download” button.

5-9 Printer Tools

- It checks the printer information, or performs the specified function.



1) Print

- Configuration: Prints the printer settings.
- Object list: Prints the object information (barcode, image, font, etc.) registered in the printer.

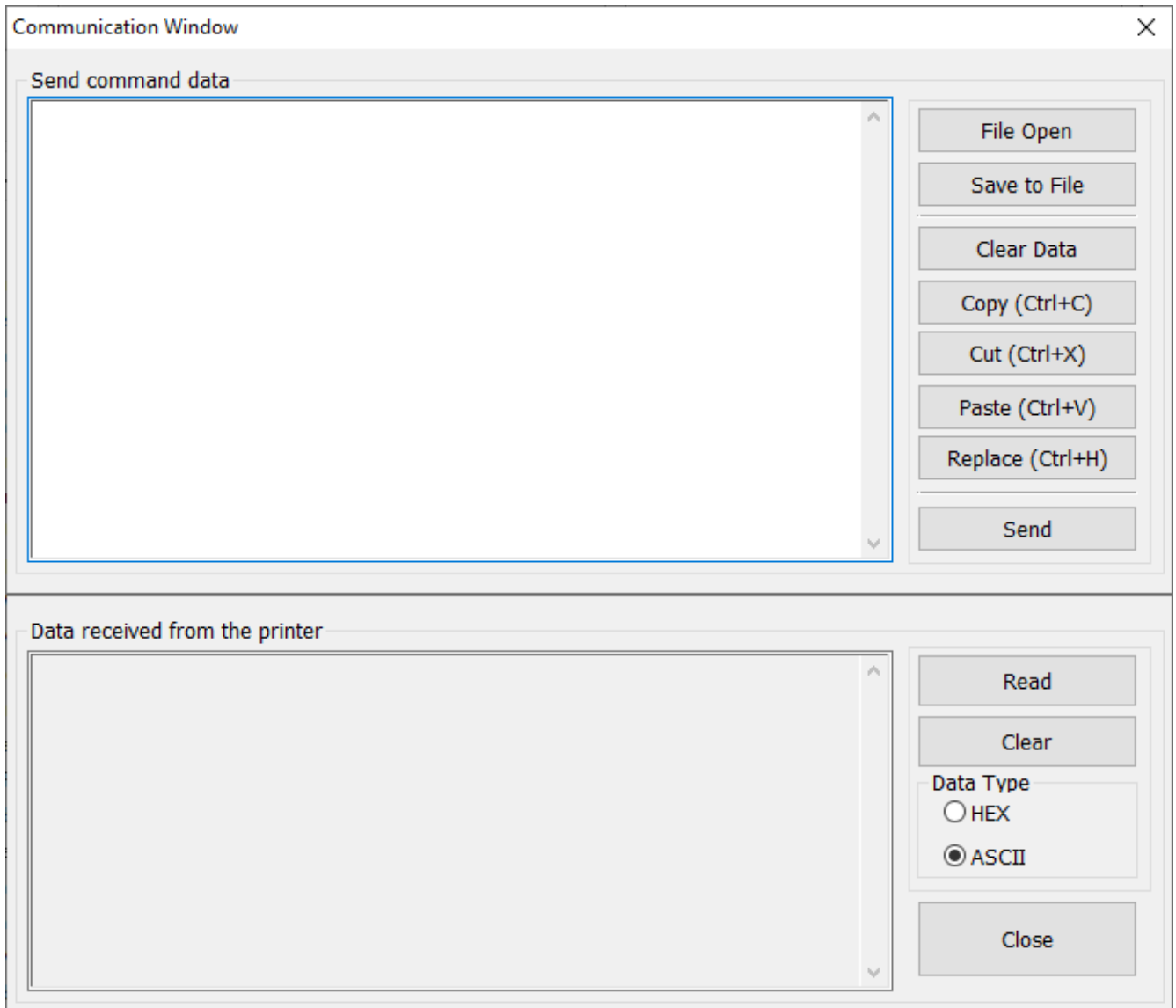
2) Action

- Calibration media : Adjusts the sensor value by the label size and type.
- Factory reset : Sets the printer to factory default.
- Enter diagnostics mode: Runs in Diagnostics Mode (all data received by the printer is printed in ASCII characters and Hexadecimal).
- Exit diagnostics mode: Switches to normal mode from diagnostics mode.

5-10 Communication Window

- This tests the commands for printing and checks the response data of the printer.

1) Click the “Communication Tool” button.



2) Command transmission: 2 ways of command transmission.

- Manual input: Manually input the command in the Send Command Data window.
- File selection: Click the File Open button to choose the file.

3) “Send” button: Transmits the input command.

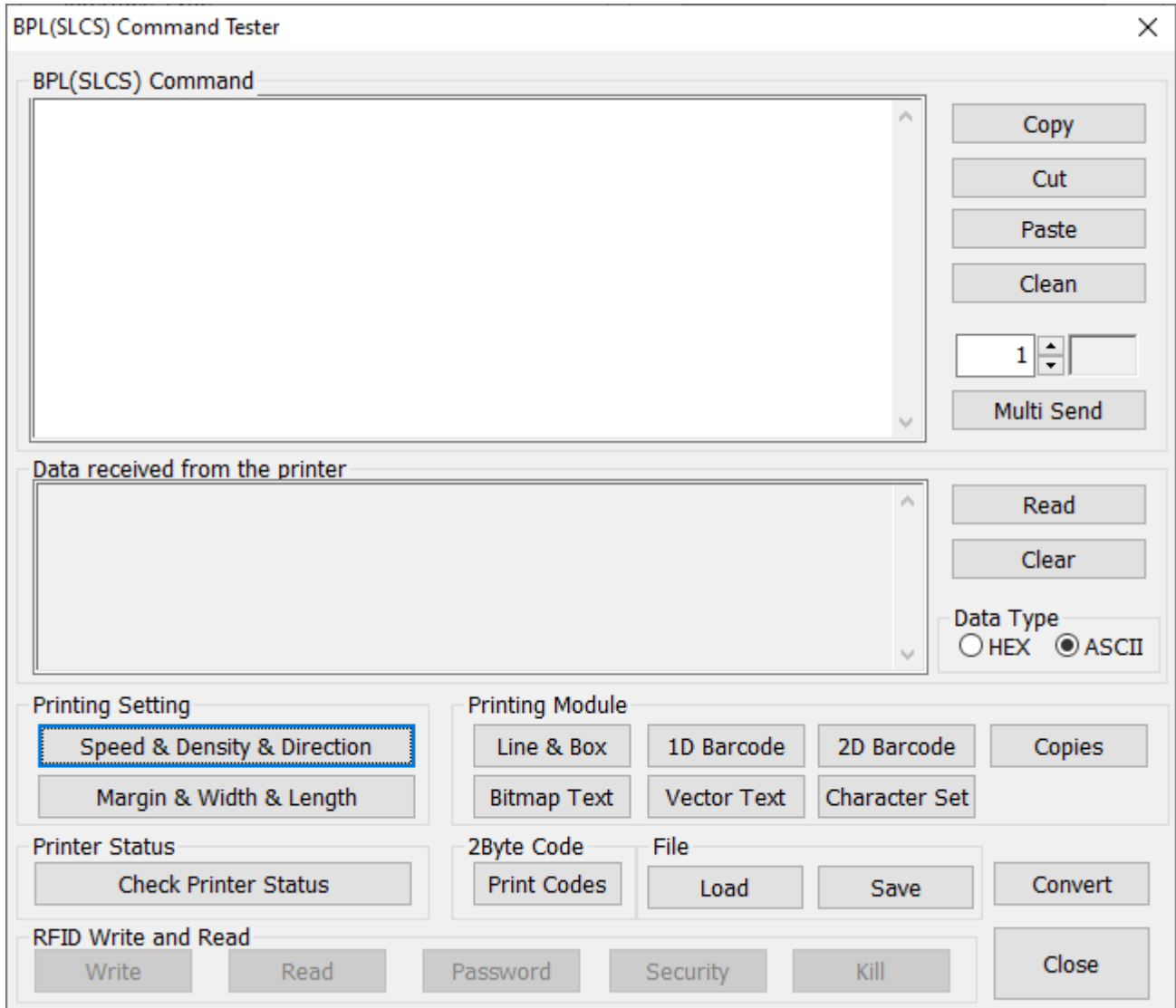
4) “Read” button: Displays response data.

5) “Clear” button: Clears the displayed response data.

5-11 SLCS Test Tool

- This tests the SLCS (Bixolon Label Printer Emulation) command and creates a simple label.

1) Click the “SLCS Tester” button.



2) “Multi Send” button: Transmits the input command for a specified number of times.

3) “Read” button: Displays response data.

4) “Clear” button: Clears the displayed response data.

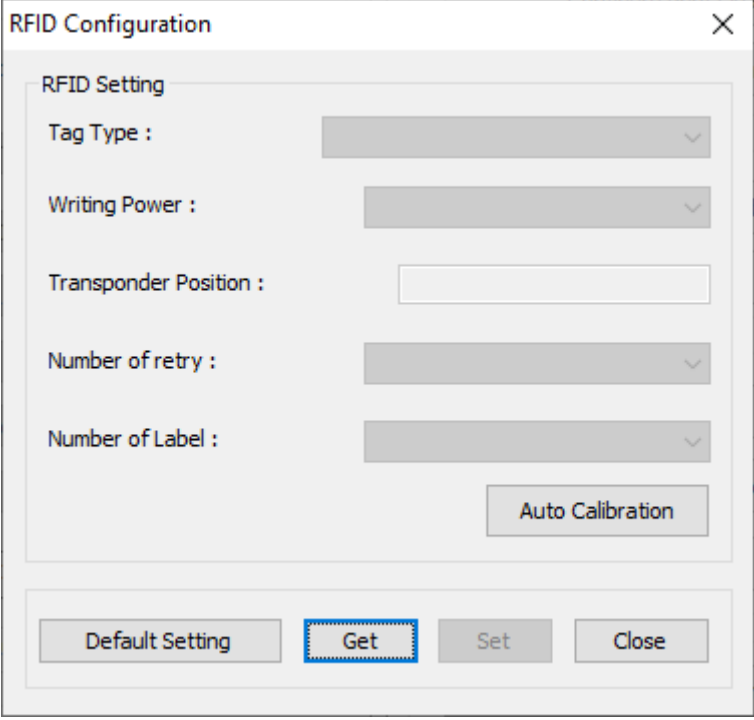
5) The function of each button is as follows.

Item	Button	Description
Printing Module	Line & Box	Generating commands to draw lines and boxes
	1D barcode	Generating one-dimensional barcode command
	2D barcode	Generating two-dimensional barcode command
	Copies	Number of copies
	Bitmap Text	Generating bitmap image string recognition command
	Vector Text	Generating vector image string recognition command
	Character Set	Generating code page and ICS configuration command
Printing Setting	Speed & Density & Direction	Generating configuration command for speed, print density, and print direction
	Margin & Width & Length	Generating configuration command for margin and print paper width and length
Printer Status	Check Printer Status	Function to check printer cover, paper, and error status
RFID Write and Read	Write	Writing data to RFID tags
	Read	Retrieving data from RFID tag
	Password	Setting a password on RFID tag
	Security	Setting the security code on the RFID tag
	Kill	Disabling RFID Tags
2Byte Code	Print Codes	Printing double-byte characters (Korean, Chinese, Japanese)
File	Load	Loading the file in which the command was saved
	Save	Saving the generated command as a file
Convert	Convert	Converter of each unit (inch, mm, cm)
Close	Close	Closing SCLC test program

5-12 RFID Configuration

- This is used to set RFID options.

1) Click the “Set Configuration” button.



The image shows a software dialog box titled "RFID Configuration" with a close button (X) in the top right corner. Inside the dialog, there is a section labeled "RFID Setting" which contains five configuration items, each with a corresponding input field:

- Tag Type :** A dropdown menu.
- Writing Power :** A dropdown menu.
- Transponder Position :** A text input field.
- Number of retry :** A dropdown menu.
- Number of Label :** A dropdown menu.

Below these settings is an "Auto Calibration" button. At the bottom of the dialog, there are four buttons: "Default Setting", "Get" (which is highlighted with a blue dashed border), "Set", and "Close".

2) Click the “Get” button to get the printer settings.

3) Set value of RFID Tag type, sending/receiving power, coding position, number of coding retries, number of labels upon retry.

4) For calculationg and saving the optimal coding position of the RFID label on the printer and printing, Click “Auto Calibration” button.

5) For set the RFID default setting, click “Default Setting” button and click “Set” Button.

6) After changing each value, click the “Set” button to apply it to the printer.

Revision history

[illegible]