



CONFIGURATION MANUAL

- Configuration Tool

sewoo

MOBILE PRINTER UTILITY MANUAL


MODEL: LK-P SERIES

VER. 2.87

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Aroot Co., Ltd.

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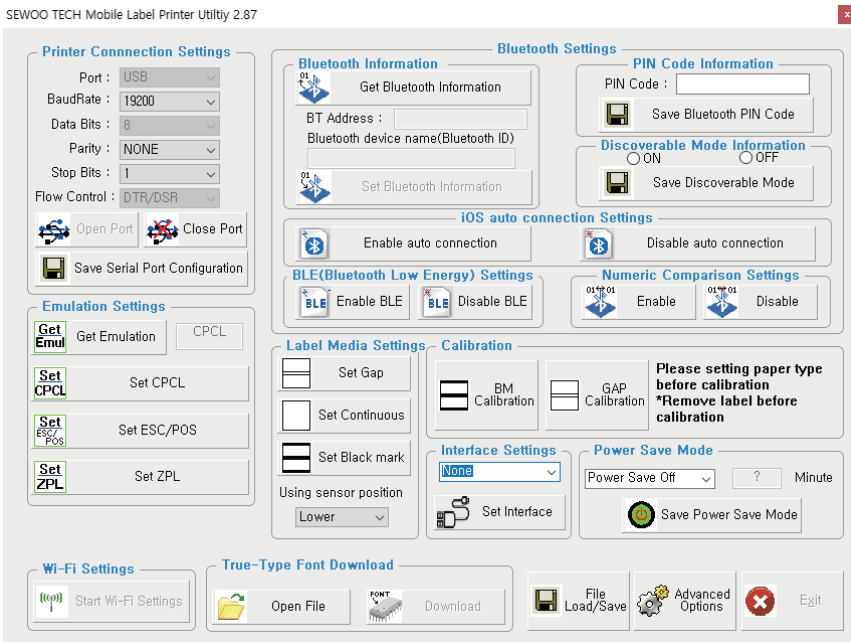


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You can change the configuration settings of your printer by using Configuration Tool Utility.

To configure the printer with Configuration Tool Utility

- 1 Make sure that you have a PC running Windows XP or later.
- 2 Download Configuration Tool utility from the Sewoo website at(www.miniprinter.com).
- 3 Connect your printer to your PC using USB cable(Recommended).
- 4 Run the Configuration Tool utility.

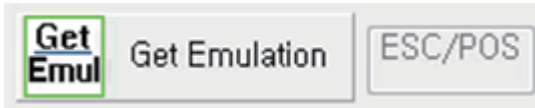


- 5 Select the connection in the Printer Connection Settings.
- 6 Click the Open Port.
- 7 Click the button for the settings you want to configure.

2. Emulation Setting

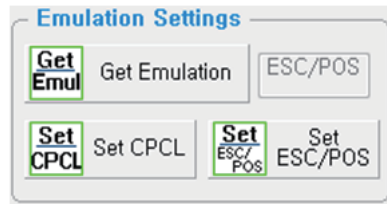
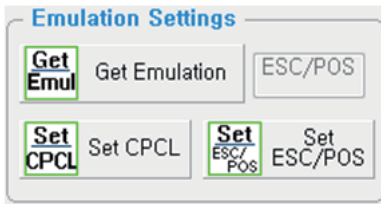
To configure Printer's Emulation with Configuration Tool Utility.

- 1 Click Get Emulation to check current emulation.

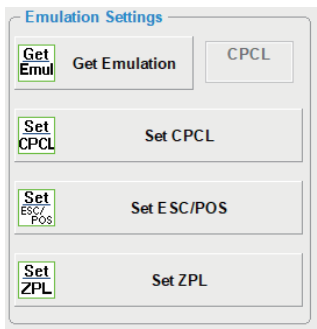


- 2 Update or check your settings.

A. CPCL F/W(You can Select CPCL or ESC/POS) B. ZPL F/W(You can Select ZPL or EPL)



C. LK-P400 Only (CPCL or ESC/POS or ZPL)



- 3 Click Emulation you want to use and wait for the beep and power off to finish.
- 4 Turn on the printer to use.

2. Emulation Setting

※ Use the following table to Printer's Emulation setting.

Model	Compatible Emulation
LK-P12, LK-P31	ESC/POS
LK-P32	ESC/POS, CPCL
Other	ESC/POS, CPCL, ZPL

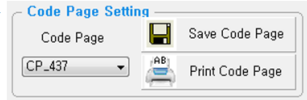
For more information, Please contact your supplier.

3. Code Page Setting(ESC/POS Only)

To configure Code Page settings with Configuration Tool Utility.

- Code page can be set by command in CPCL, ZPL.

- 1 Update or check the Code Page in the Code Page Setting. ➡
- 2 Click Save Code Page to finish.
- 3 Click Print Code Page to test the printer is set correctly.



※ Use the following table to Code Page Settings.

Code Page	Description
CP_437	MS-DOS United States/ Australia/ New Zealand/ South Africa
CP_737	MS-DOS Greek
CP_850	MS-DOS Latin-1
CP_852	MS-DOS Latin-2
CP_857	MS-DOS Turkish/ Latin-5
CP_858	MS-DOS Multilingual/ Latin-1 with euro symbol
CP_860	MS-DOS Portuguese
CP_862	MS-DOS Hebrew
CP_863	MS-DOS Canadian French
CP_864	MS-DOS Arabic
CP_865	MS-DOS Nordic/ Danish/ Norwegian
CP_866	MS-DOS Russian/ Cyrillic
ISO_8859_1	Windows Latin-1
ISO_8859_2	Latin Alphabet No. 2
ISO_8859_7	Windows Greek
ISO_8859_9	Latin Alphabet No. 5(Turkish)
MAZOVIA	Polish
CP_1250	Windows Central Europe
CP_1251	Windows Cyrillic
CP_1252	Windows West European Latin 1
CP_1253	Windows Greek
CP_1254	Windows Turkish
CP_1256	Arabic
CP_1257	Windows Baltic
CP_1258	Windows Vietnamese

To configure Density setting with Configuration Tool Utility.

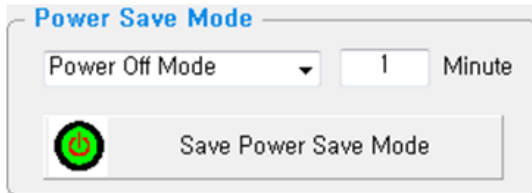
1. Update or check the Density in the Density Settings.



2. Click Save Density to finish.

To configure Power Save Mode setting with Configuration Tool Utility.

- 1 Update or check the Power Save Mode in the Power Save Mode.



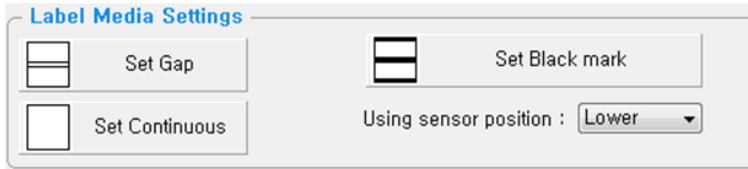
- 2 Click Save Power Save Mode to finish.

※ Use the following table to Printer's Emulation setting

Mode	Description
None Power Save	Set the mode to None Power Save.
Power Off Mode	Sets time interval between absence of printer use and automatic turning off of printer power.
Power Save Mode	Sets time interval for automatic entering into power saving mode while the printer is in use.

To configure Label Media Type setting with Configuration Tool Utility.

- 1 Update or check the Label Media Settings in the Label Media Setting.



- 2 Select Sensor position and Click Media type(Gap or Black Mark or Continuous) to finish.

※ Use the following table to Label Media setting.

Type	Gap	Black Mark(Lower)
Description		
Type	Black Mark(Upper)	Continuous
Description		

To configure Bluetooth setting with Configuration Tool Utility.

– Bluetooth is Optional Interface. For more information, Please contact your supplier.

1 Click Get Bluetooth Information.

The screenshot shows the 'Bluetooth Settings' window. It is divided into several sections:

- Bluetooth Information:** Contains a 'Get Bluetooth Information' button with a Bluetooth icon and a 'Set Bluetooth Information' button with a Bluetooth icon. Below these are empty text boxes for 'BT Address' and 'Bluetooth device name(Bluetooth ID)'.
- PIN Code Information:** Contains a 'PIN Code' text box, a 'Save Bluetooth PIN Code' button with a floppy disk icon, and a 'Discoverable Mode Information' section with radio buttons for 'ON' and 'OFF', and a 'Save Discoverable Mode' button with a floppy disk icon.
- iOS auto connection Settings:** Contains two buttons: 'Enable auto connection' and 'Disable auto connection', both with Bluetooth icons.
- BLE(Bluetooth Low Energy) Settings:** Contains two buttons: 'Enable BLE' and 'Disable BLE', both with a BLE icon.
- Numeric Comparison Settings:** Contains two buttons: 'Enable' and 'Disable', both with a numeric comparison icon.

2 Update or check your settings.

The screenshot shows the 'Bluetooth Settings' window after the information has been retrieved. The fields are now populated:

- Bluetooth Information:** The 'BT Address' field now contains '88:6b:0f:31:b2:5b' and the 'Bluetooth device name(Bluetooth ID)' field contains 'SW_B258'. The 'Get Bluetooth Information' button now has a small '01' icon in its top-left corner.
- PIN Code Information:** The 'PIN Code' field now contains a question mark '?'. The 'Save Bluetooth PIN Code' button still has a floppy disk icon.
- Discoverable Mode Information:** The 'ON' radio button is now selected.
- iOS auto connection Settings:** The 'Enable auto connection' button now has a small Bluetooth icon in its top-left corner.
- BLE(Bluetooth Low Energy) Settings:** The 'Enable BLE' button now has a small BLE icon in its top-left corner.
- Numeric Comparison Settings:** The 'Enable' button now has a small numeric comparison icon in its top-left corner.

3 Click button you need to set to finish.

※ Use the following table to Bluetooth setting.

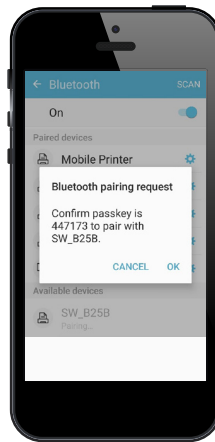
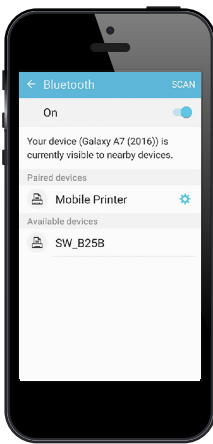
Name	Description
BT Address	The MAC address for Bluetooth Module.
Bluetooth device name (Bluetooth ID)	The Name of Bluetooth Printer to pair.
PIN Code	Pin code to pair.(Default: 0000 or 1234)
iOS auto connection Settings	Allowing iOS devices to automatically reconnect the printer.

✓ NOTE

Printers with only BT 4.2 support this function.



- 1 Click the 'Enable' tab on the Numeric Comparison Settings.
- 2 Reboot a printer.
- 3 Click the Bluetooth device name on the PC or mobile Bluetooth setting screen.
- 4 The passkey(6 digits) will be displayed on the printer and the device.
 - If a printer doesn't have a LCD, the passkey will be printed out.
- 5 Please press the Feed button on the printer & press 'Pairing' button on the PC or mobile device.
 - There is a pairing time out 10 seconds. Make sure to press the feed button on the printer in 10 seconds.
- 6 You get a 'Pairing Success' printout after pairing job.



Bluetooth Pairing Event!
PassKey : 447173
Press feed button to connect

Pairing succeeded!

※ Please make sure to have the same passkeys.

MOBILE

MOBILE

PRINTER

✓ NOTE

A display type can be slightly different depending on device models.

1 Turn on the NFC function on your mobile devices.

- Choose either NFC P2P mode or standard mode / Connection is not available with NFC card mode.

 **NOTE**

A display type can be slightly different depending on device models.



2 If you take your mobile device close to the printer NFC tag, a mobile application will be automatically executed.

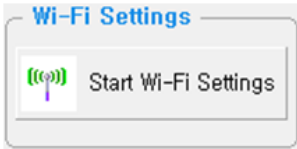
 **NOTE**

If a mobile application is not installed on mobile devices, NFC function is not available.
Go to CD > NFCPrint_Sample to install the application.

To configure Wireless LAN settings with Configuration Tool Utility.

- Wi-Fi is Optional Interface. For more information, Please contact your supplier.

1 Click Start Wi-Fi Settings.



- 2 Select the connection in the Port Information.
- 3 Click Open port.
- 4 Click Get Wi-Fi Information or Load File Button.
- 5 Update or check your settings.
- 6 Click Save Wi-Fi Information to finish.

The screenshot shows the "Wi-Fi Settings Dialog 2.84" with various configuration sections and numbered callouts:

- Port and Wi-Fi Information:**
 - Port Information:** Port: USB, BaudRate: 19200, Data Bits: 8, Parity: NONE, Stop Bits: 1, Flow Control: DTR/DSR. Buttons: Open Port, Close Port.
 - Wi-Fi Information:**
 - MAC address: 84:72:07:39:FC:BF, TCP PORT: 9100. Buttons: Get Wi-Fi Information, Save Wi-Fi Information.
 - SSID: FW_TEST, IP: 192.168.0.107, NetMask: 255.255.255.0, Gateway: 192.168.0.1, DNS: 192.168.0.1.
 - Buttons: Load File, Save File, DHCP Settings (checked), LPD Enable (unchecked), LPD Queue Name: lpd1, Reset (Factory Settings), WPS (disabled).
- Wi-Fi 5GHz Information:**
 - Country Name: USA, Wi-Fi Country Channel: 36.
- Wi-Fi Settings:**
 - Wi-Fi Band: 5GHz, Wi-Fi Mode: Infrastructure, Wi-Fi Channel: 1.
 - WEP Key: (disabled), WEP Key is a write-only.
 - Wi-Fi Encryption: WPA, Wi-Fi Authentication: Both, Using KEY ID: KEY ID 1.
 - KEY ID 1, 2, 3, 4: (input fields with HEX dropdown).
- WPA Authentication:**
 - WPA Authentication: AUTO, WPA Encryption: AUTO, WPA Key: 00000000.
 - Enterprise Settings button.

Numbered callouts (1-18) point to specific elements: 1 (SSID), 2 (Wi-Fi Band), 3 (Wi-Fi Mode), 4 (Wi-Fi Channel), 5 (Wi-Fi Authentication), 6 (Using KEY ID), 7 (Save Wi-Fi Information), 8 (KEY ID 1), 9 (Wi-Fi Band), 10 (Save File), 11 (WPA Authentication), 12 (WPA Encryption), 13 (WPA Key), 14 (Country Name), 15 (Wi-Fi Country Channel), 16 (DHCP Settings), 17 (LPD Queue Name), 18 (WPS).

※ Use the following table to Wireless LAN setting.

Number	Name	Description
1	SSID	The Network name to connect.
2	Wi-Fi Mode	Set the mode of the device. (adhoc, infrastructure, Soft-AP.)
3	Wi-Fi Channel	Set the channel to use.
4	Wi-Fi Encryption	Set the type of Encryption. (WEP64/128, WPA/WPA2-PSK, 802.1x)
5	Wi-Fi Authentication	Only use in WEP. Set the type of Authentication. (Open system, Shared key, Both)
6	Using Key ID	Only use in WEP. Set the number of KEY to use from No. 1 to No. 4
7	TCP Port	Set the port to use.
8	Key ID 1 ~ 4	WEP64(5~10), WEP128(10~26) Password set.
9	Wi-Fi Band	Choose 2.4GHz(802.11b) or 5GHz(802.11a).
10	DHCP Setting	DHCP Enable/Disable.
11	WPA Authentication	Only Use in WPA. Choose WPA/WPA2.
12	WPA Encryption	Only Use in WPA. Choose TKIP/AES.
13	WPA KEY	Only Use in WPA. (Password at least 8 digits)
14	Country Name	Set Country Code.
15	Country Channel	Set Country Channel.
16	LPD Enable	LPD Function Enable (515 Port)
17	LPD Queue name	Queue name for LPD communication
18	WPS	WPS Function Enable Ability to automatically connect to AP even if user does not enter setting information. (AP must support WPS function.) How to use - Press the WPS button in the Wi-Fi setting utility and press the AP WPS button to connect.

Number	Name	Description
19	Reset (Factory Settings)	Wi-Fi setting will be factory reset Initialization information Wi-Fi Mode : Soft-AP Chnannel : 1 Encryption : None SSID : SW_XXXX / MOBILE_PRINTERXXXXXX (POS Printer / Mobile Printer) IP Address : 192.168.100.1 Subnet Mask : 255.255.255.0 Gateway : 192.168.100.1

 **NOTE**

You can also configure the Wi-Fi settings with the web server.
 It's manual can be downloaded from the homepage.

7 To Set Wi-Fi printer correctly, you need to check the AP's or Router's setting in advance.

- Ex. D-Link Router.(Model: DIR-820L)

WIRELESS

Use this section to configure the wireless settings for your D-Link Router. Please note that changes made on this section may also need to be duplicated on your Wireless Client.

WIRELESS NETWORK SETTINGS

Wireless Band : 2.4GHz Band

Enable Wireless: Always

1 **Wireless Network Name:** R&D_dlink24G (Also called the SSID)

802.11 Mode: Mixed 802.11n, 802.11g and 802.11b

2 **Enable Auto Channel Scan:**

Wireless Channel: 2.437 GHz - CH 6

Transmission Rate : Best (automatic)

Channel Width: Auto 20/40 MHz

Visibility Status: Visible Invisible

WIRELESS SECURITY MODE

To protect your privacy you can configure wireless security features. This device supports three wireless security modes, including WEP, WPA-Personal, and WPA-Enterprise. WEP is the original wireless encryption standard. WPA provides a higher level of security. WPA-Personal does not require an authentication server. The WPA-Enterprise option requires an external RADIUS server.

3 **Security Mode:** WPA-Personal

WPA

Use **WPA or WPA2** mode to achieve a balance of strong security and best compatibility. This mode uses WPA for legacy clients while maintaining higher security with stations that are WPA2 capable. Also the strongest cipher that the client supports will be used. For best security, use **WPA2 Only** mode. This mode uses AES(CCMP) cipher and legacy stations are not allowed access with WPA security. For maximum compatibility, use **WPA Only**. This mode uses TKIP cipher. Some gaming and legacy devices work only in this mode.

To achieve better wireless performance use **WPA2 Only** security mode (or in other words AES cipher).

4 **WPA Mode:** Auto (WPA or WPA2)

5 **Cipher Type:** TKIP and AES

Group Key Update Interval: 3600 (seconds)

PRE-SHARED KEY

Enter an 8- to 63-character alphanumeric pass-phrase. For good security it should be of ample length and should not be a commonly known phrase.

6 **Pre-Shared Key:** ●●●●●●●●

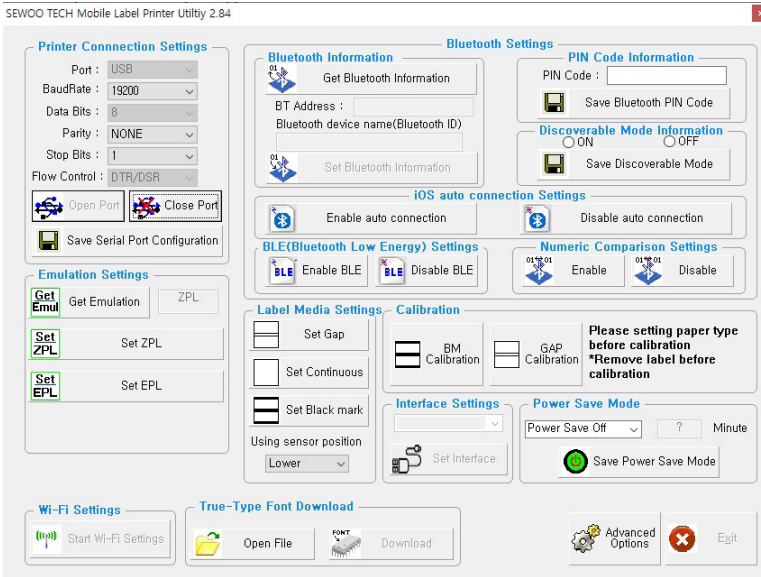
Number	Name	Description
1	SSID	Check the AP's SSID and enter the same SSID into the printer.
2	Channel	The channel is usually set automatically.
3	Security Mode	Check the security mode such as WPA, WPA2, 802.1x, WEP, etc.
4	WPA Mode	If you select WPA mode, check WPA / WPA2.
5	Cipher Type	Check encryption methods such as TKIP and AES
6	Pre-Shared Key	Check the AP's security password.

 **NOTE**

Use of TrueType or other purchased fonts require licensing and is the responsibility of the user to acquire permission for use in the printer.

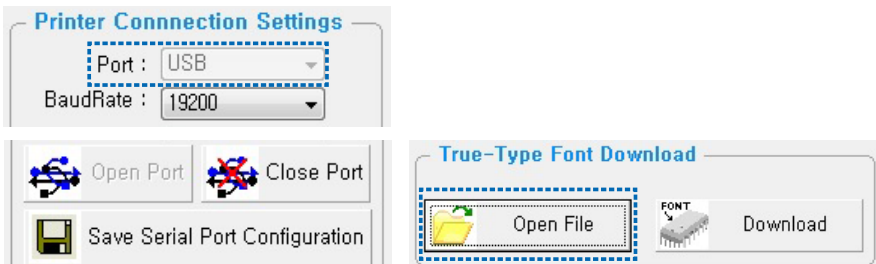
True Type Font Download

1 Execute Configuration Tool.exe file.



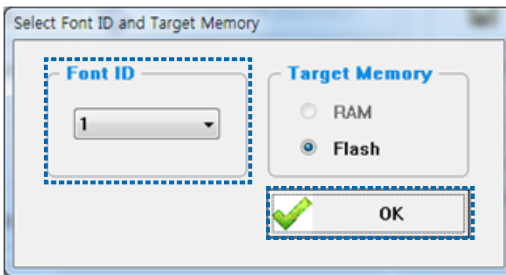
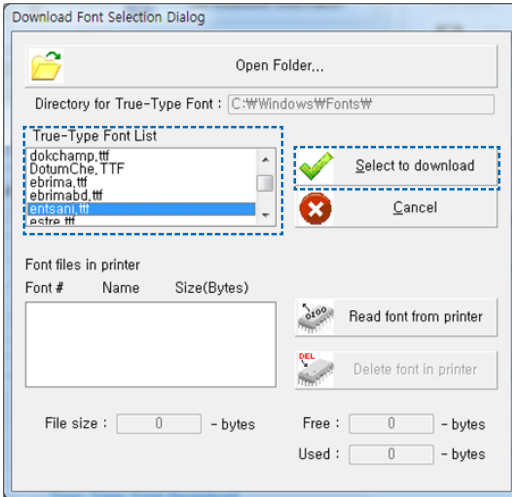
2 After changing Port to 'USB', press Open Port.

- When True-Type Font Download appears, press Open File.



3 Choose a font and click 'Select to download'.

- Font ID: If you want more than 1 font type, please save a font and increase Font ID each time.

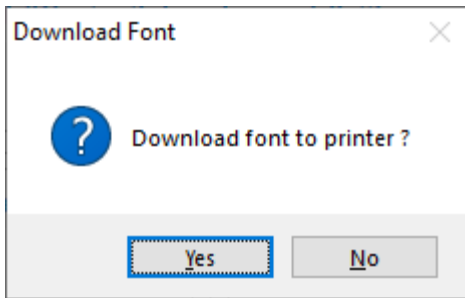
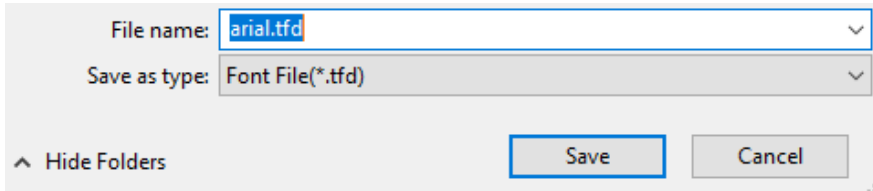


- Change the Font ID.
If you save more than one font.

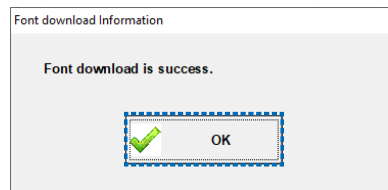
4 Press Download button.



- 5 If you would like to save a converted font(.tfd), please enter a file name and click Save button.
- Purpose: To use the same font on different devices. If you do not want to save, press Cancel button.



- 6 After downloading, a printer will be automatically ended.



True Type Font Printing

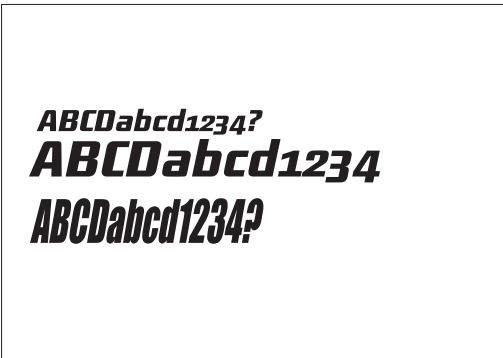
1 ZPL Printing Format Example:

```
^XA
      Font Name      Printing Data
^FT10,10^A@N,24,24, [entsani]^FD [ABCDabcd1234?]^FS
^FT10,50^A@N,24,48,entsani^FDABCDabcd1234?^FS
^FT10,120^A@N,48,24,entsani^FDABCDabcd1234?^FS
^PQ1
^XZ
```

2 CPCL Printing Format Example

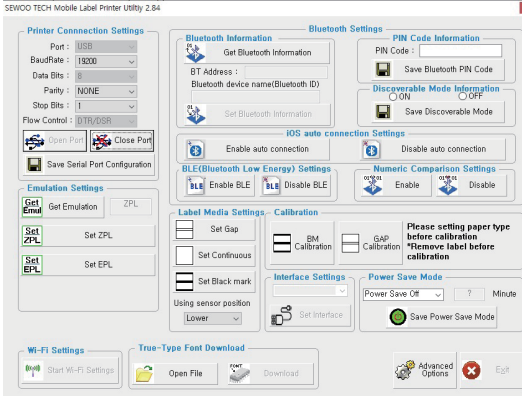
```
! 0 200 200 400 1
      Font Name      Printing Data
SCALE-TEXT [entsani.tfd] 24 24 0 6 [ABCDabcd1234?]
SCALE-TEXT entsani.tfd 48 24 0 31 ABCDabcd1234?
SCALE-TEXT entsani.tfd 24 48 0 64 ABCDabcd1234?
PRINT
```

3 Actual printout



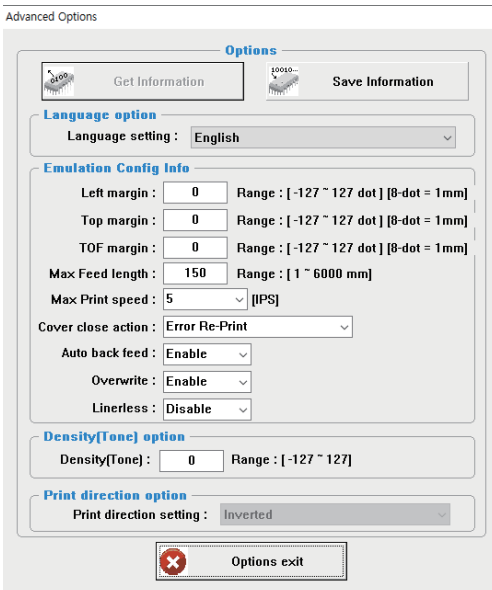
To configure Advanced option with Configuration Tool Utility.

1 Execute Configuration Tool.exe file.

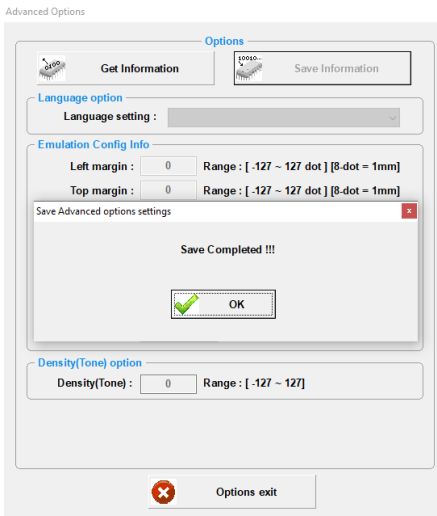


2 Press Advanced Option Button after Port Open.

3 Read option by Get Information Button.



4 Save option by Save Information Button.

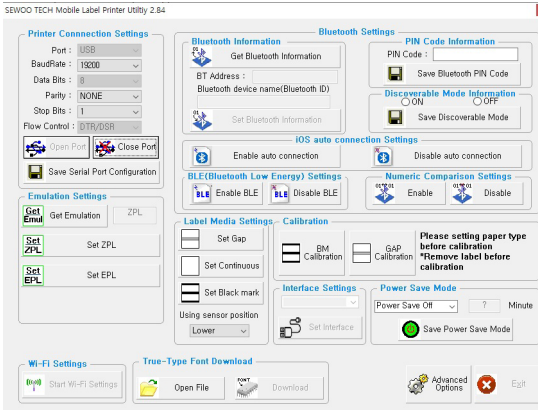


5 Option Description

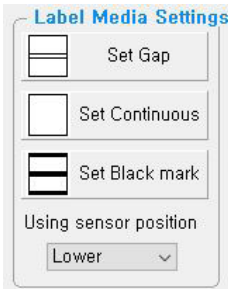
- Common Option
 - Language: Select Language.
 - Left Margin: Adjust left margin when printing.(-127 ~ +127 dot)
 - Top Margin: Adjust top margin when printing.(-127 ~ +127 dot)
 - TOF Margin: Adjust bottom margin when printing.(-127 ~ +127 dot)
 - Density(tone): Adjust Printing density.(-127 ~ +127 dot)
 - Linerless: Select Linerless
- LK-P400 only option
 - Max Label Length: Adjust the maximum print length.(1 ~ 6000mm)
 - Print Speed: Adjust Printing Speed.(2~5 IPS, Constant)
 - Cover Close Action: Set the action to be performed when the cover is closed.
 - Error Re-Print: Print data that is not printed when cover close.
 - Auto Feed: Feed when cover close.
 - No Motion: No motion when cover close.
 - Auto back feeding: back feeding Enable/Disable when printing.
 - Overwrite: Set whether to output from the other side when the print range is exceeded.

To configure Advanced option with Configuration Tool Utility.

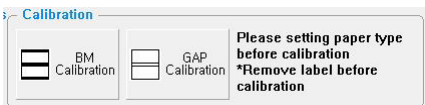
1 Execute Configuration Tool.exe file.



2 Set the media type to be used.



3 Use the BM/GAP Calibration button to perform calibration.

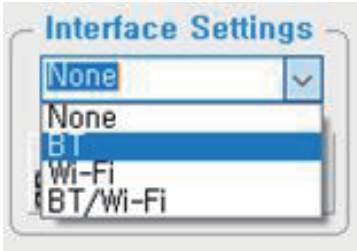


✓ Further explanation

Some models require the label to be removed when calibrating the GAP. Please refer to the explanation in the program.

To configure interface setting with Configuration Tool Utility.

- 1 Update or check your interface in Interface Setting



- 2 Click to set interface

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