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sewoo

MOBILE UTILITY MANUAL

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Aroot Co., Ltd.

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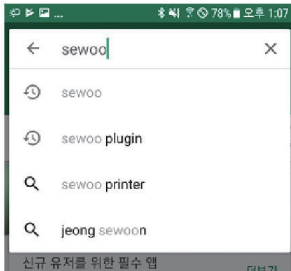
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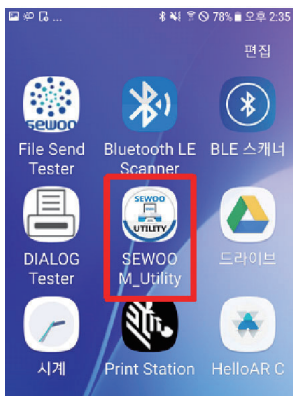
1. Download



01 Search sewoo on Google Play store



02 Install 'SEWOO mUtility' App



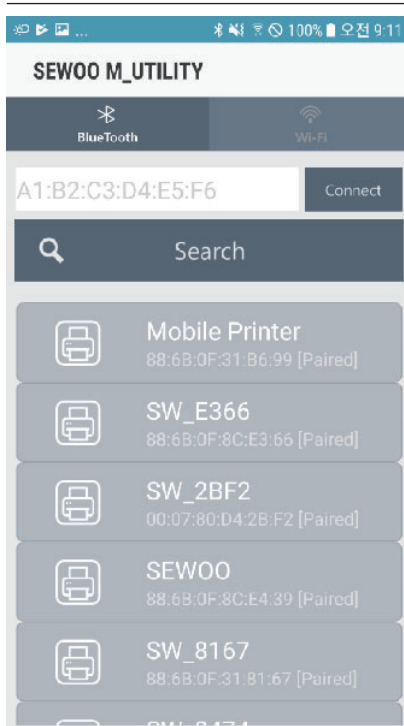
03 Execute App.

2. View

2-1 Device Connection

This is initial view when you execute **Sewoo M_Utility App** You can find Bluetooth or Wi-Fi list which can pair or connect.

Bluetooth



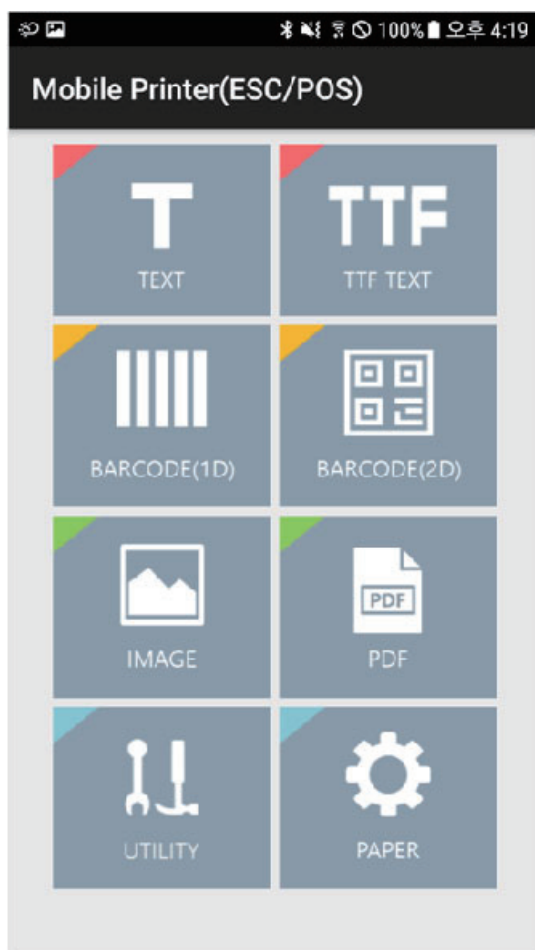
Wi-Fi



2. View

2-2 Main Menu

There are several menus on main screen (TEXT, TTF, BARCODE 1D&2D, IMAGE, PDF, PAPER, UTILITY). You can also find current emulation on top side.



3. Connection Type

3-1 Bluetooth

- 01 Choose Bluetooth on top side of tap menu
- 02 Search printer available to connect with “Search” button
- 03 You can connect once you click one of listed item (Figure 1)
- 04 You can also do a direct connection with input address (Figure 2)

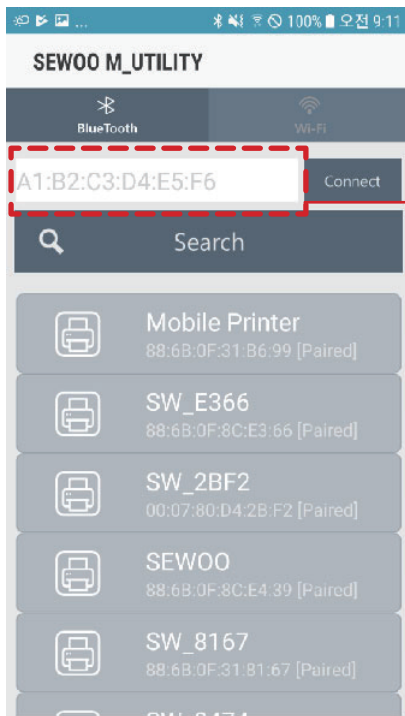


Figure 1

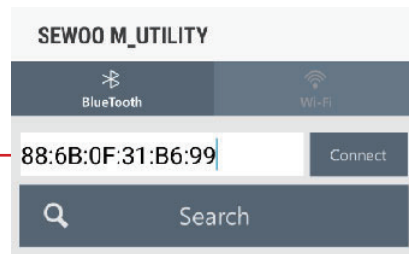


Figure 2

3. Connection Type

3-2 Wi-Fi

- 01 Choose Wi-Fi on top tap menu
- 02 Connect one of available item (Figure 1) to connect a printer.
- 03 Manual connection is available if you input MAC address if the printer has not been connected. (Figure 2)
- 04 You can also delete item when press and hold one of list. (Figure 3)

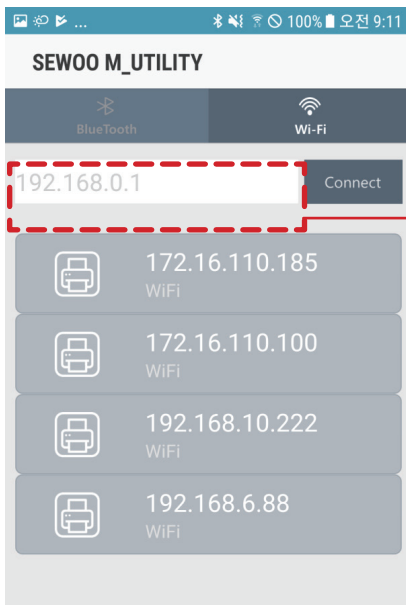


Figure 1

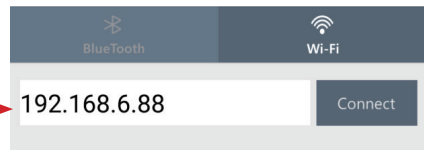


Figure 2

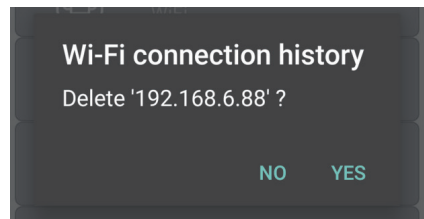


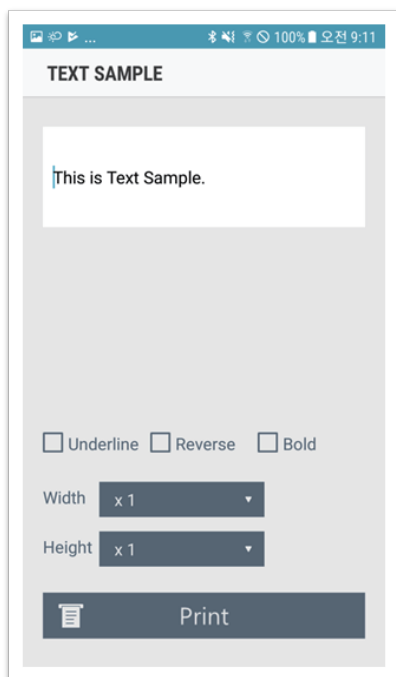
Figure 3

4. Main Menu

4-1 ESC/POS(Mobile & POS Printer)

4-1.1 TEXT

You can adjust text printing option.

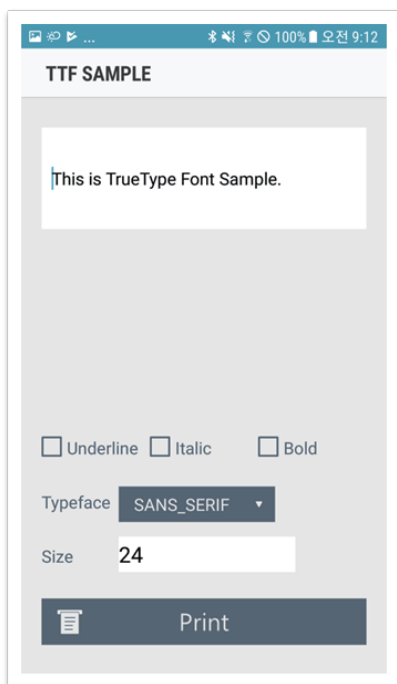


Option	Description
Underline	Underline for text
Reverse	Reverse for text
Bold	Bold for text
Width	Set text width (1 – 8 level)
Height	Set text height (1 – 8 level)

4. Main Menu

4-1.2 TTF

You can adjust TTF(TrueType Font) printing option.

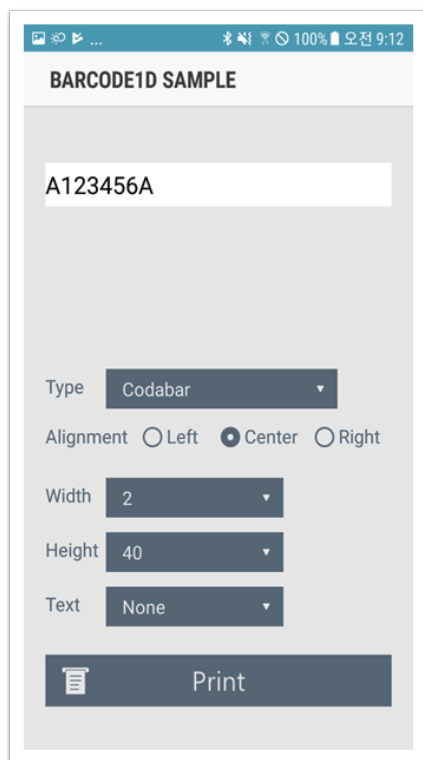


Option	Description
Underline	Underline for text
Italic	Set Italic for text
Bold	Bold for text
Typeface	Set typeface for text (Sans_Serif, Serif, Monospace)
Size	Set text size (20 - 100)

4. Main Menu

4-1.3 BARCODE 1D

Set up the Barcode 1D option.



The image shows a mobile application screen titled "BARCODE1D SAMPLE". At the top, there is a status bar with icons for signal, battery, and time (오전 9:12). Below the title, there is a text input field containing "A123456A". Underneath the input field, there are several settings: "Type" is set to "Codabar" (with a dropdown arrow), "Alignment" has three radio buttons: "Left", "Center" (which is selected), and "Right", "Width" is set to "2" (with a dropdown arrow), "Height" is set to "40" (with a dropdown arrow), and "Text" is set to "None" (with a dropdown arrow). At the bottom, there is a dark blue button with a printer icon and the text "Print".

Barcode Type	
Codabar	EAN-8
Code 128	JAN-8
Code 39	Interleaved 2 of 5
Code 93	UPC-A
EAN-13	UPC-E
JAN-13	-

Option	Description
Type	Set the barcode type (table 1)
Alignment	Set up the alignment for barcode (Left, Center, Right)
Width	Adjust width (1 – 3 dot)
Height	Adjust barcode height (20, 40, 60, 80, 100 dots)
Text	Set up the barcode text (None, Above, Below)

4. Main Menu

4-1.4 BARCODE 2D

Set up the Barcode 2D option.

BARCODE2D SAMPLE

ABCDEFGHIJKLMN

Type PDF417

Alignment ☐ Left ☒ Center ☐ Right

Print

Option	Description
Type	Set up the barcode type (PDF417, QR Code)
Alignment	Set up the barcode alignment (Left, Center, Right)

4. Main Menu

4-1.5 IMAGE

Set up the image option.

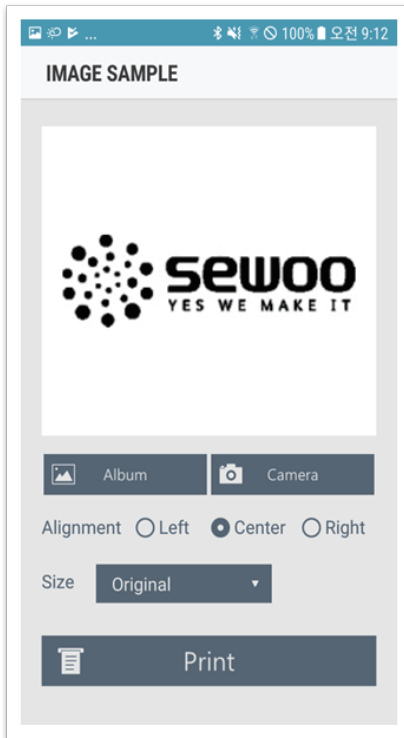


Image Size	
Original	Printing as original size
x2 Width	Printing x2 width
x2 Height	Printing x2 height
x2 Size	Printing x2 width & height

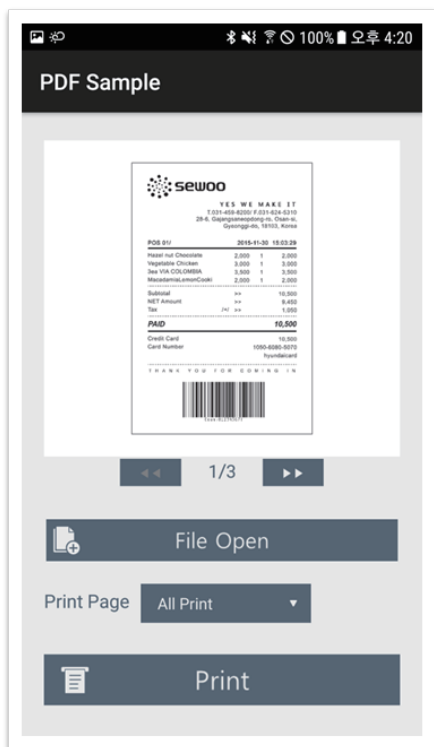
- Album : Use stored album image
- Camera : Use image after taking a picture

Option	Description
Alignment	Set up the image alignment (Left, Center, Right)
Width	Set up the image size (Table 1)

4. Main Menu

4-1.6 PDF

This menu is used to read and print PDF files. It is only available in ESC/POS.



- File Open : use stored PDF Files.

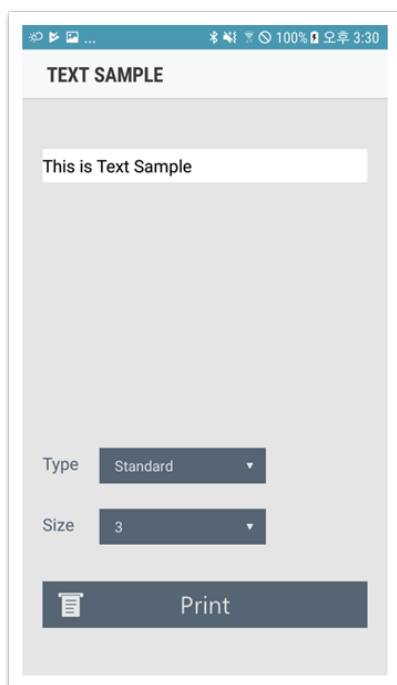
Option	Description
Print Page	Set the output page of the read PDF file.

4. Main Menu

4-2 CPCL(Mobile Printer)

4-2.1 TEXT

Set up the Text option for CPCL emulation.



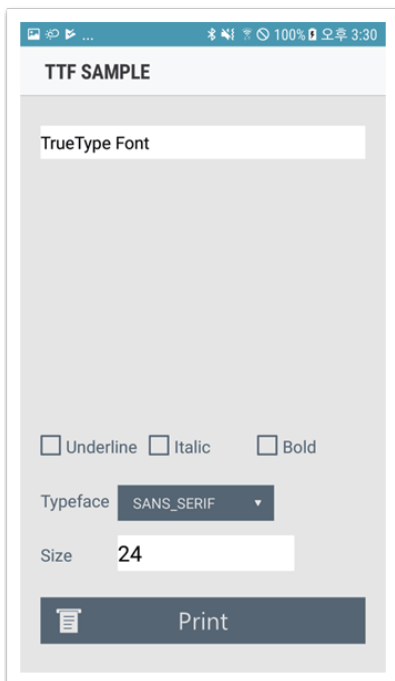
Text Type(Size)	
Standard(0~6)	Manhattan(0~3)
Script(0)	MICR(0)
OCR-A(0~1)	WARWICK(0~1)
Unison(0~7)	

Option	Description
Type	Set the text type (Table 1)
Size	Set the text size (Available size range is in Table 1)

4. Main Menu

4-2.2 TTF

Set up the TTF(TrueType Font) option.

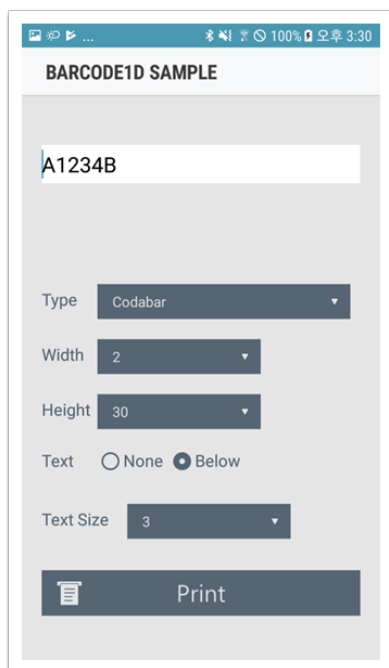
The image shows a mobile application interface titled "TTF SAMPLE". At the top, there is a status bar with icons for signal, Wi-Fi, battery, and the time "오후 3:30". Below the title, there is a large text input field containing the text "TrueType Font". Further down, there are three checkboxes labeled "Underline", "Italic", and "Bold", all of which are currently unchecked. Below these checkboxes is a "Typeface" label followed by a dropdown menu showing "SANS_SERIF". Underneath the dropdown is a "Size" label followed by a text input field containing the number "24". At the bottom of the interface is a dark blue button with a printer icon and the text "Print".

Option	Description
Underline	Underline for text
Italic	Set Italic for text
Bold	Bold for text
Typeface	Set typeface for text (Sans_Serif, Serif, Monospace)
Size	Set text size (10 ~ 50)

4. Main Menu

4-2.3 BARCODE 1D

Setup the 1D barcode option.

A screenshot of a mobile application interface for setting up a 1D barcode. The screen has a light gray background. At the top, there's a status bar with icons for signal, Wi-Fi, battery, and time (3:30 PM). Below the status bar is a title bar with the text "BARCODE1D SAMPLE". The main content area is a light gray rectangle. Inside, there's a white text input field containing "A1234B". Below the input field are several settings: "Type" with a dropdown menu showing "Codabar", "Width" with a dropdown menu showing "2", "Height" with a dropdown menu showing "30", "Text" with two radio buttons, "None" and "Below" (selected), and "Text Size" with a dropdown menu showing "3". At the bottom, there's a dark gray button with a printer icon and the text "Print".

Option	Description
Type	Set the barcode type (table 1)
Width	Adjust barcode width (1 ~ 5)
Height	Adjust barcode height (10, 20, 30, 40, 50)
Text	Set up the barcode text (None, Below)
Text Size	Set up the barcode text size (0 ~ 6) – It will be disable if Text option set as “None

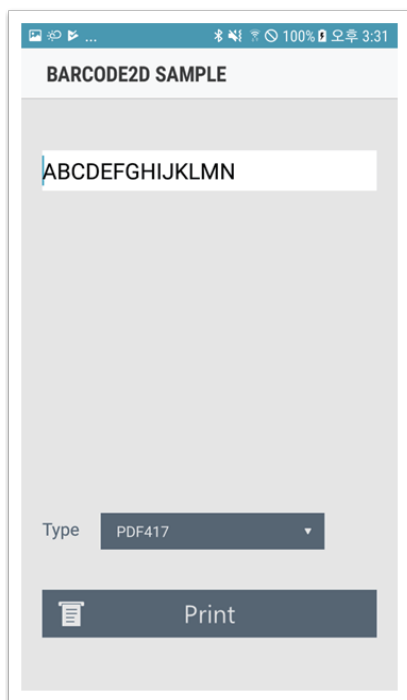
4. Main Menu

Barcode Type		
Codabar	EAN/JAN-13 plus 2	MSI Plessey two mod 10
Codabar mod 16	EAN/JAN-13 plus 5	Postnet
Code 128 Auto	EAN/JAN-8	UCC-128 Standard
Code 39	EAN/JAN-8 plus 2	UPC-A
Code 39 Extend	EAN/JAN-8 plus 5	UPC-A plus 2
Code 39 Extend mod 43	Interleaved 2 of 5	UPC-A plus 5
Code39 mod 43	MSI Plessey	UPC-E
Code 93	MSI Plessey mod 10	UPC-E plus 2
EAN/JAN-13	MSI Plessey mod 11/10	UPC-E plus 5

4. Main Menu

4-2.4 BARCODE 2D

Set up the 2D Barcode.

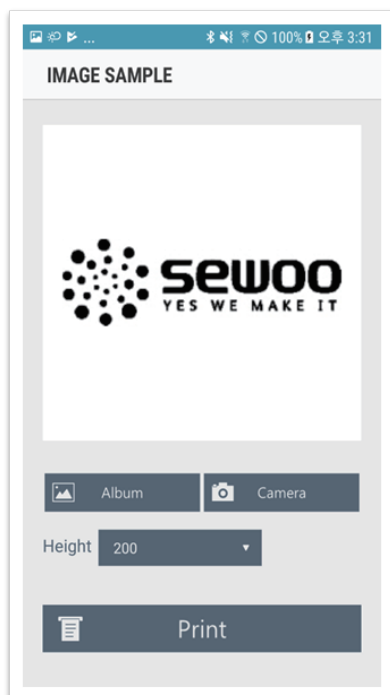


Option	Description
Type	Set the barcode type (PDF417, QR Code, Data Matrix)

4. Main Menu

4-2.5 IMAGE

Set up the Image option



- Album : Use stored album image
- Camera : Use image after taking a picture

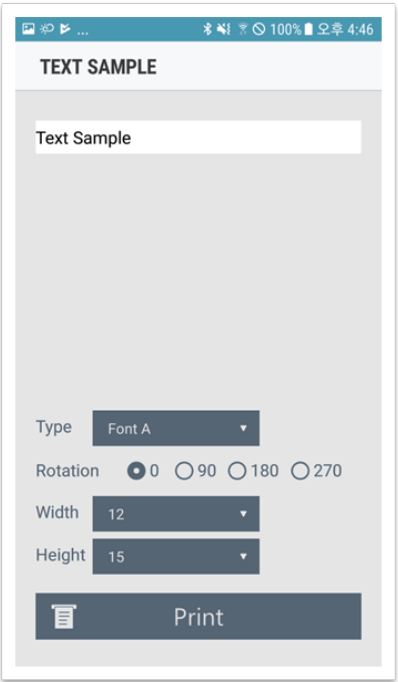
Option	Description
Height	Set the for paper length

4. Main Menu

4-3 ZPL(Mobile Printer)

4-3.1 TEXT

Set up Text option.



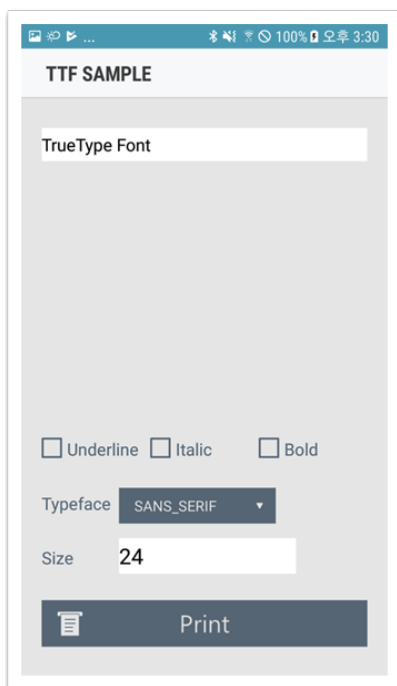
Text Type(Size)	
Font A	Font E
Font B	Font F
Font C	Font G
Font D	Font H

Option	Description
Type	Set the text type (Table 1)
Rotation	Rotate text (0, 90, 180, 270)
Width	Set text width (12, 24, 36, 48)
Height	Set text height (15, 30, 45, 60)

4. Main Menu

4-3.2 TTF

Set up TTF(TrueType Font) option.



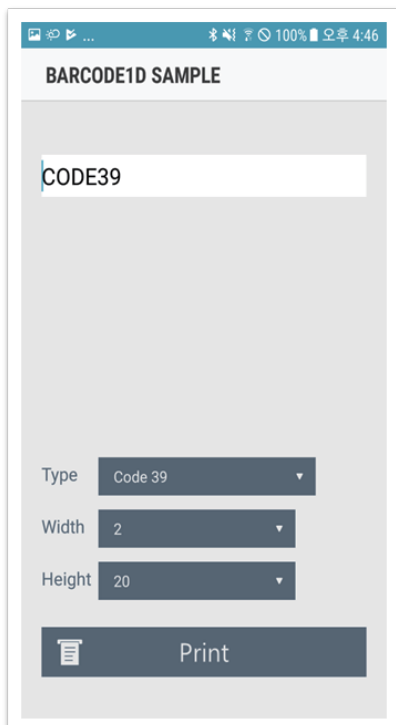
The screenshot shows a mobile application interface titled "TTF SAMPLE". At the top, there is a status bar with icons for signal, Wi-Fi, battery (100%), and time (오후 3:30). Below the title, there is a text input field containing "TrueType Font". Underneath the input field, there are three checkboxes: "Underline", "Italic", and "Bold", all of which are currently unchecked. Below these checkboxes, there is a "Typeface" label followed by a dropdown menu showing "SANS_SERIF". Below the dropdown, there is a "Size" label followed by a text input field containing "24". At the bottom of the interface, there is a dark blue button with a printer icon and the text "Print".

Option	Description
Underline	Underline for text
Italic	Set Italic for text
Bold	Bold for text
Typeface	Set typeface for text (Sans_Serif, Serif, Monospace)
Size	Set text size (10 ~ 50)

4. Main Menu

4-3.3 BARCODE 1D

Set up 1D Barcode option.

A screenshot of a mobile application interface titled "BARCODE1D SAMPLE". At the top, there is a status bar with various icons and the time "오후 4:46". Below the title, there is a large text input field containing "CODE39". Further down, there are three dropdown menus labeled "Type", "Width", and "Height". The "Type" dropdown is set to "Code 39", "Width" is set to "2", and "Height" is set to "20". At the bottom, there is a "Print" button with a printer icon.

Barcode Type	
Code 11	LOGMARS
Code 39	MSI
Code 93	PlanetCode
Code 128	Plessey
EAN-13	POSTNET
EAN-8	Standard 2 of 5
Industrial 2 of 5	UPC-A
Interleaved 2 of 5	UPC-E

Option	Description
Type	Set the barcode type (table 1)
Width	Adjust barcode width (1 ~ 10 dots)
Height	Adjust barcode height (10, 20, 30, 40, 50 dots)

4. Main Menu

4-3.4 BARCODE 2D

Set up the 2D Barcode 2D option.

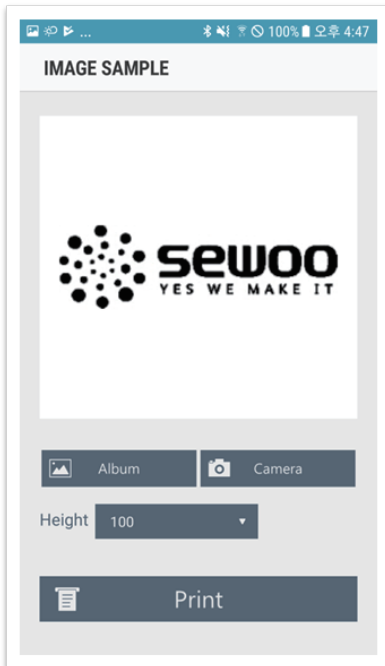
The screenshot shows a mobile application interface titled "BARCODE2D SAMPLE". At the top, there is a status bar with icons for signal, Wi-Fi, battery (100%), and time (오후 4:46). Below the title, there is a large text input field containing the text "1234567890_PDF417". Below the input field, there is a "Type" label followed by a dropdown menu currently set to "PDF417". Below the dropdown, there is a "Rotation" label followed by four radio button options: "0" (selected), "90", "180", and "270". At the bottom, there is a dark blue button with a printer icon and the text "Print".

Option	Description
Type	Set the barcode type (PDF417, QR Code, Data Matrix)
Rotation	Rotate barcode (0, 90, 180, 270)

4. Main Menu

4-3.5 IMAGE

Set up the Image printing. You can set the paper length.(height)



- Album : Use stored album image
- Camera : Use image after taking a picture

Option	Description
Height	Set up the paper length (height)

4. Main Menu

4-4 Common Menu

4-4.1 PAPER

This is common part for all Emulations, checking printer information and paper setting option.

PAPER SETTING

Device Type: Mobile Printer

Device Name: Mobile Printer

Device Address: 88:6B:0F:31:B6:99

Connection Type: BlueTooth

Emulation: ESC/POS

Type: —

Size: ☒ 2-inch (58mm) ☐ 3-inch (80mm) ☐ 4-inch (104mm)

Apply

Printer Information

Option	Description
Device Type	Indicates printer type (Mobile, POS)
Device Name	Show printer name
Device Address	Show Printer Mac Address
Connection Type	Show connectivity for printer (Bluetooth, Wi-Fi)
Emulation	Show printer emulation (ESC/POS, CPCL, ZPL)

4. Main Menu

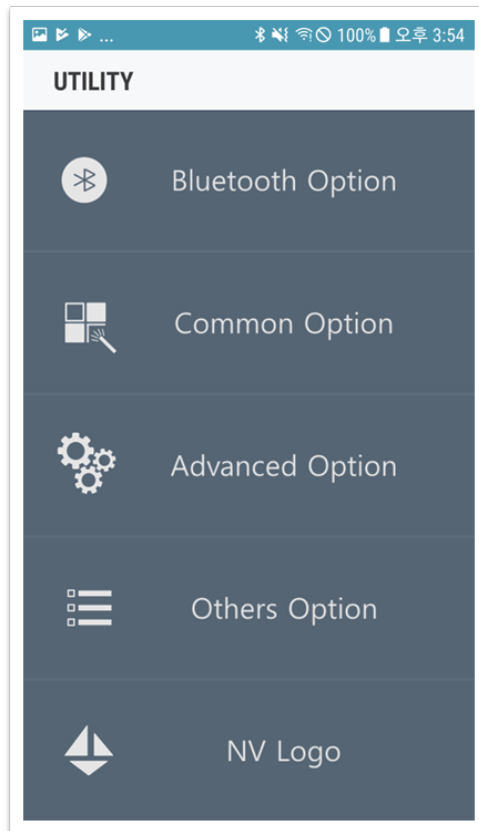
Paper Option

Option	Description
Type	Set paper type. This option is available on CPCL or ZPL (Label(Gap), Black Mark, Continuous)
Size	Set the paper size for printing (2-inch ~ 4-inch)

5. UTILITY

5-1 Mobile Printer

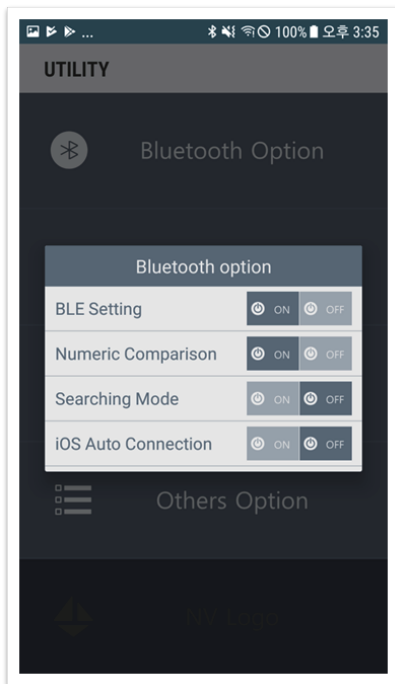
UTILITY menu has 5 sub menus (Bluetooth(Wi-Fi) Option, Common Option, Advanced Option, Others Option, NV Logo(Graphic)). Each emulation has different menus.



5. UTILITY

5-1.1 Bluetooth Option

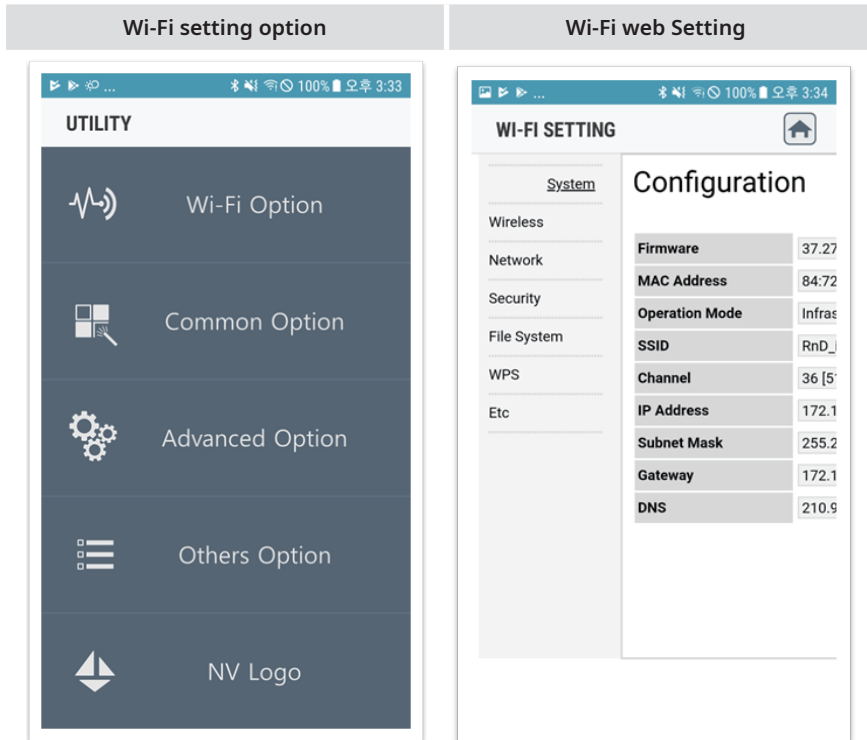
Once you close App, this setting goes to initial status.



Type	Description
BLE Setting	Set Bluetooth Low Energy
Numeric Comparison	Set Numeric Comparison
Searching Mode	Set searching mode
iOS Auto Connection	Set iOS auto connection(iOS only)

5. UTILITY

5-1.2 Wi-Fi Option



- 1 Wi-Fi setting option once you click this, it goes Wi-Fi web Setting.(Right image)
- 2 You can go back to Utility menu once you click right top home button.

5. UTILITY

5-1.3 Common Option

Each Emulation has its common option to set the Power Mode.

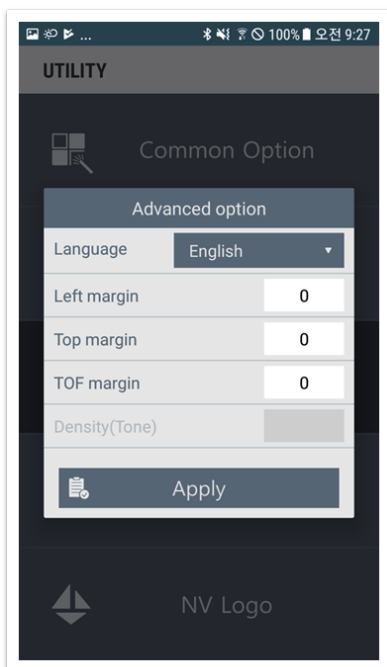


Type	Description
Power Mode	Set power mode (Off, Power Off Mode, Power Save Mode)

5. UTILITY

5-1.4 Advanced Option

Option for language setting & margin. ESC/POS can't use this option.
ZPL can't use Language option.



Input range	
Positive value	0 ~ 127
Negative value	128(-1) ~ 254(-127)

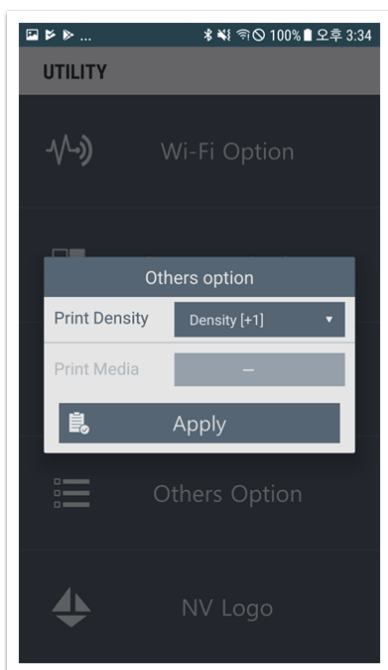
Type	Description
Language	Set language (English, Korean, Japanese, GB2312, BIG5)
Left margin	Set Left margin (0 ~ 254)
Top margin	Set Top margin (0 ~ 254)
TOF margin	Set TOF margin (0 ~ 254)
Density(Tone)	Set density (0 ~ 254)

5. UTILITY

5-1.5 Others Option

Set printing density & paper media. Each emulation has different option to use.

- Print Density - ESC/POS
- Print Media - CPCL or ZPL



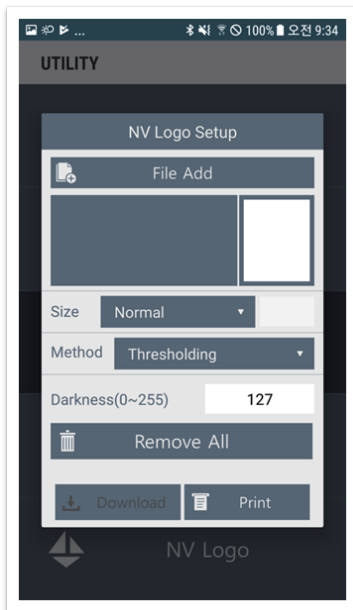
Type	Description
Print Density	Set power mode (Off, Power Off Mode, Power Save Mode)
Print Media	Set printer media (GAP, Black mark, Continuous)

5. UTILITY

5-1.6 NV Logo

Option for Logo file setting (ESC/POS only).

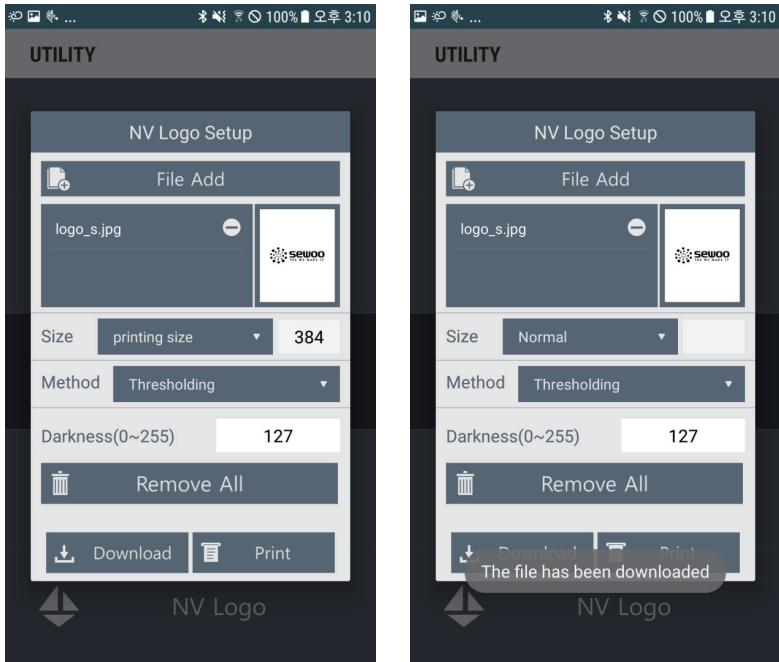
- It makes store image stored your smart devices into printer.
- You can set maximum 8 images and whole logo images will be printing at once.



Option	Description
Size	Set logo size which stores printer. When you select size, it recall the value for size in “Paper” menu (Refer to PAPER) (Normal, x2 width, x2 height, Double size, printing size)
Method	Set the imaging processing method (Thresholding, Error diffusion, Ordered dithering)
Darkness	Set the brightness of logo image which save to printer (0 ~ 255)

5. UTILITY

Instruction for NV logo setup



- 01 Click "File Add", and then choose image.
- 02 Set Size & Method.
- 03 Click "Download" button to apply to the printer, and then click "Print" button to print Logo image out.
- 04 You can remove all images saved in the printer to click "Remove All" button.

5. UTILITY

5-1.7 Graphic

This Graphic setup is available on ZPL emulation only.

- You can load images from smart device and save to the printer. Up to 8 characters can be saved .



Option	Description
File	Shows file name chosen from "File Add"
Name	Save name into the printer
Applied File	Show Logo name applied by "Download" button
Height	Set the paper height (100, 200, 300, 400, 500)

5. UTILITY

Instruction for Graphic setup

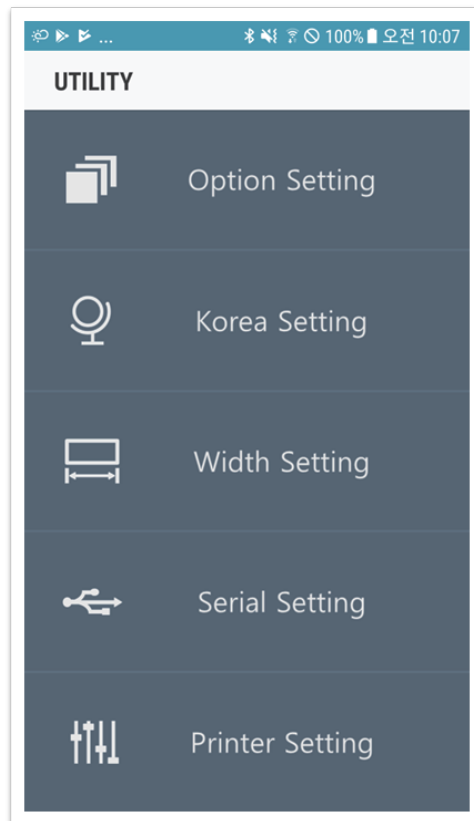


- 01 Click "File Add", and then choose image.
- 02 Set the name. (Up to 8 characters)
- 03 Once you click "Download" button, Logo name will be shown on "Applied File" list.
- 04 Set the Height and print saves image.

5. UTILITY

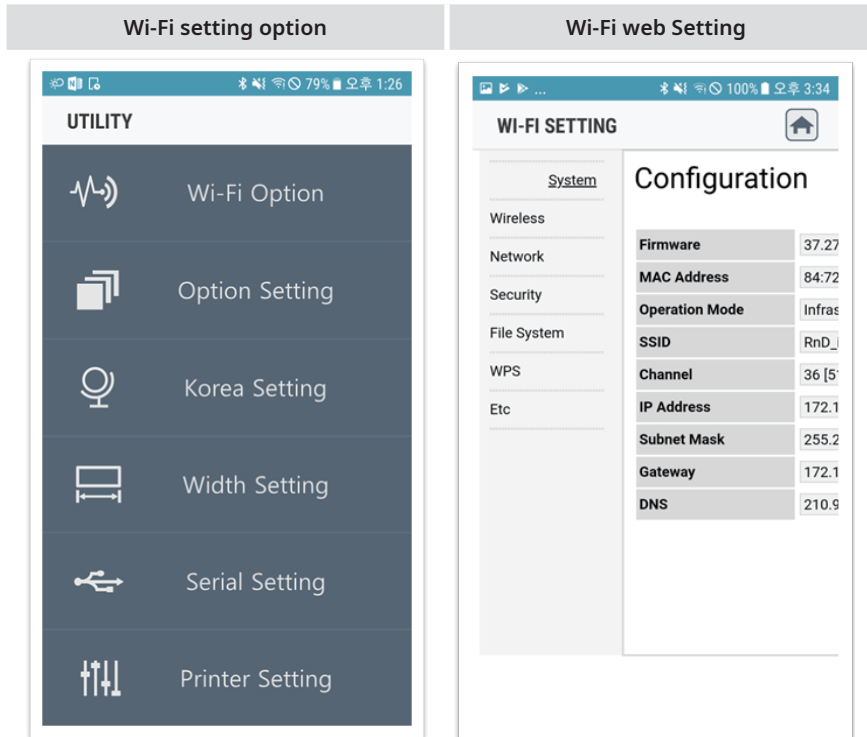
5-2 POS Printer

POS Printer Utility has 5 menus (Option Setting, Korea Setting, Width Setting, Serial Setting, Printer Setting). In case of Wi-Fi connection, Wi-Fi option will be added.



5. UTILITY

5-2.1 Wi-Fi Option



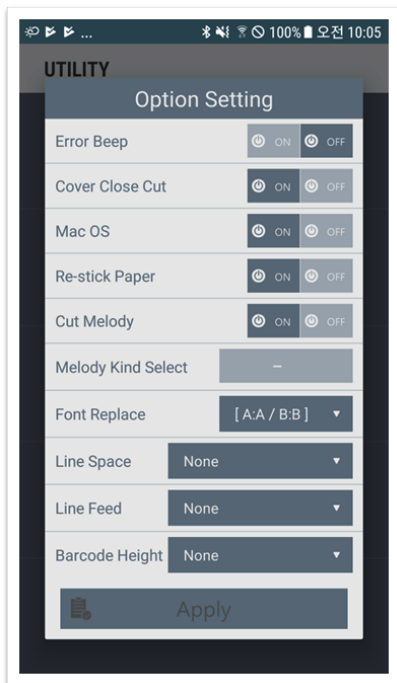
- 01 Wi-Fi setting option. It will show Wi-Fi web setting window.
- 02 Right images shows this setting and you can go back to Utility menu once pressing right top home button.

5. UTILITY

5-2.2 Option Setting

Various other option can be set here.

- It shows current information and setting value for connecting printer.



Type	Description
Error Beep	Enable/Disable beep on error
Cover Close Cut	Set Cutting performance when closing cover door
Mac OS	Enable/Disable Mac OS
Re-stick Paper	Enable/Disable using Re-stick
Cut Melody	Enable/Disable performing melody when cutting

5. UTILITY

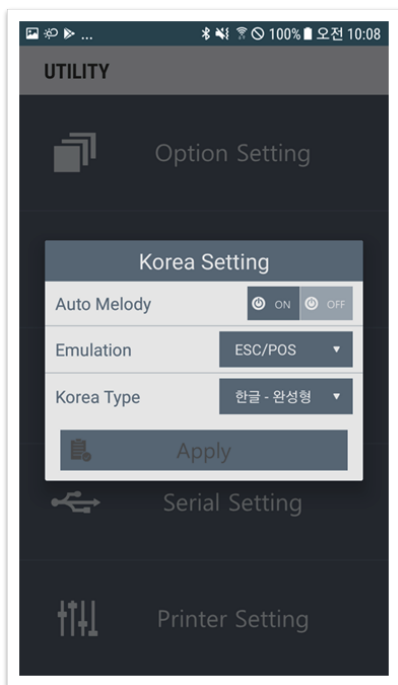
Type	Description
Melody Kind Select	Select melody type when cutting. It only enable when “Cut Melody” is on.
Font Replace	Choose font replacing. ([A:A/B:B], [A:B/B:B], [A:A/B:A], [A:B/B:A])
Line Space	Set line space. Higher percentage means narrow gap among lines. (Line Space (50%), Line Space (75%), Line Space (90%))
Line Feed	Set feed among lines. Higher percentage means narrow gap. (Line Feed (50%), Line Feed (75%), Line Feed (90%))
Barcode Height	Adjust barcode height. Higher percentage means narrow gap. (Height (50%), Height (75%), Height (90%))

5. UTILITY

5-2.3 Korea Setting

Menu for Korean font.

- It shows current printer setting.
- Enables only device's language set as Korean



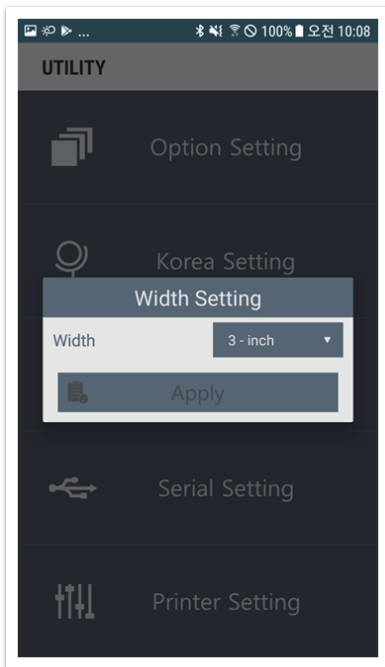
Type	Description
Auto Melody	Enable/Disable to use Melody Box
Emulation	Set the emulation type (ESC/POS, Star, IDP3540)
Korea Type	Set the Korean language type

5. UTILITY

5-2.4 Width Setting

Option for printing width.

- It shows current configuration in the printer.



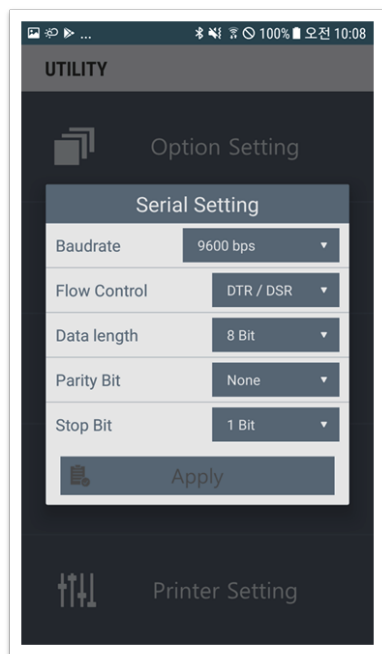
Type	Description
Width	Set the print width (3-inch, 2-inch)

5. UTILITY

5-2.5 Serial Setting

Set Serial Option.

- It shows current setting value.



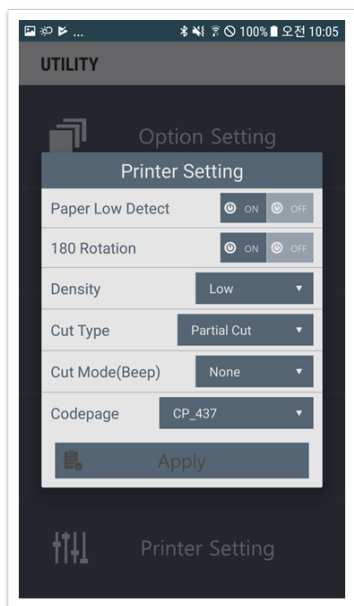
Type	Description
Baudrate	Set Baudrate (9600, 19200, 38400, 115200, 57600, 4800 bps)
Flow Control	Set Flow control (DTR/DSR, Xon/Xoff)
Data length	Set data length (8 Bit, 7 Bit)
Parity Bit	Set Parity Bit (None, Odd, Even)
Stop Bit	Set Stop Bit (1 Bit, 2 Bit)

5. UTILITY

5-2.6 Printer Setting

Set printer option.

- It shows current setting value.



Type	Description
Paper Low Detect	Enable/Disable paper low detect function
180 Rotation	Enable/Disable 180 degree rotation when printing
Density	Set printing density (brightness) (Low, Normal, Dark)
Cut Type	Set Cut type (Partial Cut, Full Cut)
Cut Mode(Beep)	Set the time interval for beeping after cutting (None, 1 Sec, 2 Sec, 3 Sec, 0.5 Sec)
Codepage	Set Codepage (Table 1)

5. UTILITY

Codepage Type		
CP-437	CP_857	CP_1256
CP_KATAKANA	ISO_8859_9	ISO_8859_1
CP_850	CP_864	TIS42
CP_860	CP_862MD	TIS11
CP_863	ISO_8859_2	TIS13
CP_865	MAZOVIA	TIS14
CP_1252	CP_1250	TIS16
CP_866	CP_1254	TIS17
CP_852	CP_1251	TIS18
CP_858	CP_1257	CP_775
CP_1253	CP_1258	CP874
CP_737	ISO_8859_7	-
Table 1		

