



Software Manual

Label Artist Mobile

Android

Ver. 1.07

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1. Manual Information

This manual provides information for using Label Artist Mobile in the Android environment.

2. Operating Environment

2-1 Operating System

- Android OS V6.0 and later

2-2 Interface

- Bluetooth, Wi-Fi, USB

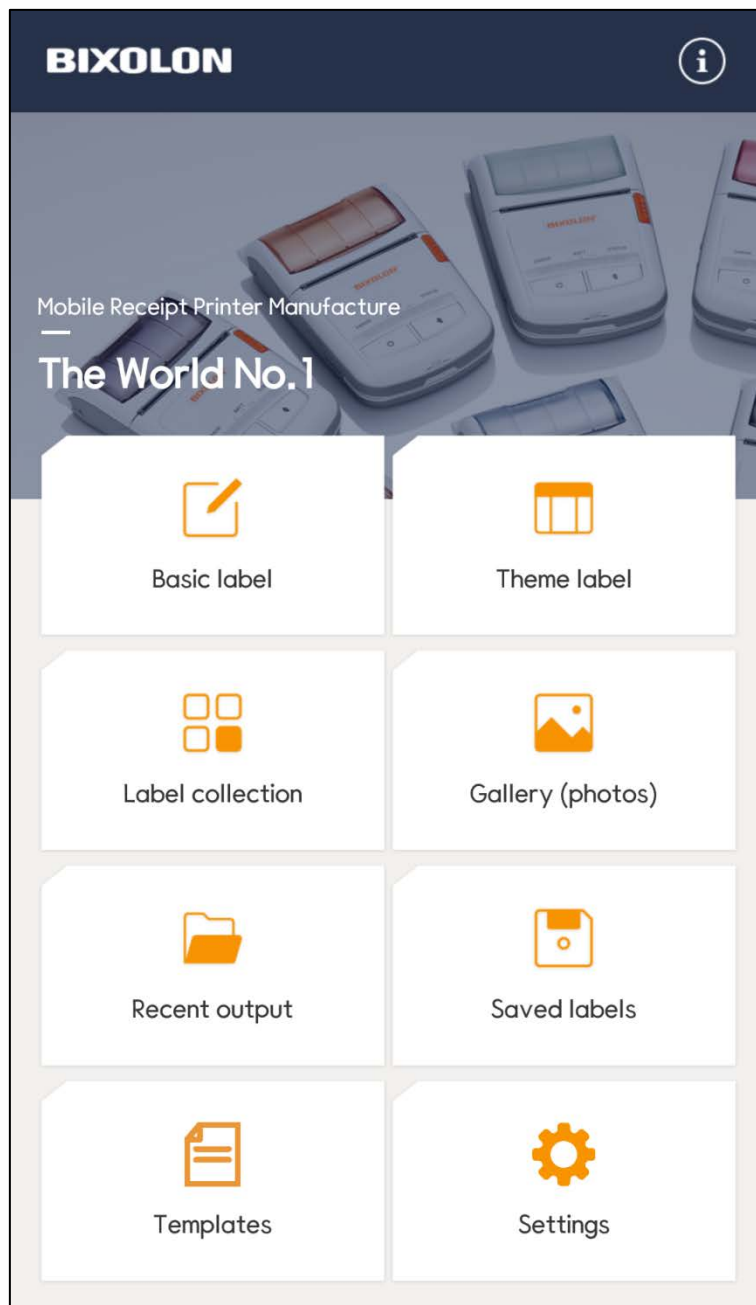
2-3 Printer Support

- SLP-DX420 / DX423
SLP-DX220 / DX223
SLP-TX400 / TX403
SLP-TX420 / TX423
SLP-TX220 / TX223
SLP-DL410 / DL413
SRP-770III / E770III
XT5-40 / XT5-43 / XT5-46
SPP-L3000 / SPP-L310 / SPP-L410
XQ-840, XQ-843
XL5-40CT, XL5-43CT
XD5-40d, XD5-43d
XD5-40t, XD5-43t
XM7-20, XM7-40


3. Useful Function

3-1 Main menu


- When you run Android Label Artist Mobile, you can see the following screen.




1) Basic label

 : Creates a label on a blank screen.


2) Theme label

 : Prints labels according to your theme.


3) Label collection

 : Prints the label collection.


4) Gallery (photos)

 : Prints the image on the label.


5) Recent output

 : Views and prints a list of recently printed labels.

6) Saved labels

 : Views and prints a list of labels you have stored.

7) Templates


 : Views and prints the template stored in the printer.




Caution

It may not be supported depending on the firmware version.

8) Settings

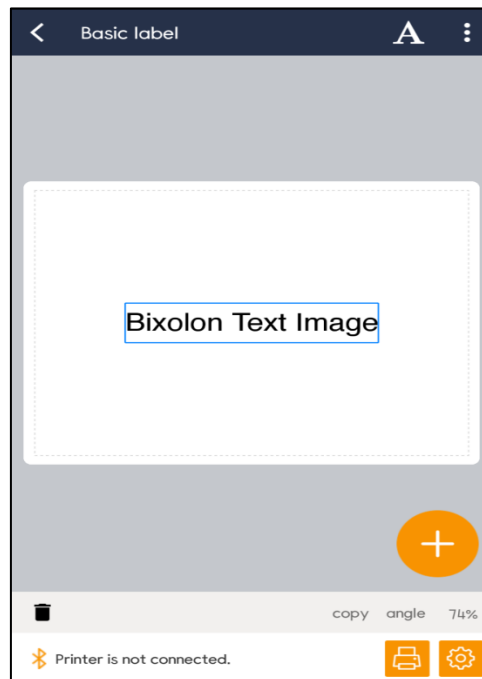
 : Changes the print settings (medium, speed, density, etc)

9) App information

 : Views information about the current app.

3-2 Basic label

- This is a screen where users can create, edit and print labels.




1) Original size


74% : This indicates the magnification or reduction rate of the object currently being edited.

Click this to zoom in or out to the original size (100%).

2) Print

 : Prints the label currently being edited.

3) Settings

 : Changes printer connection and print settings.

4) Copy

copy : Duplicates the selected object.


If an object is not selected, it is not displayed.

5) Degrees

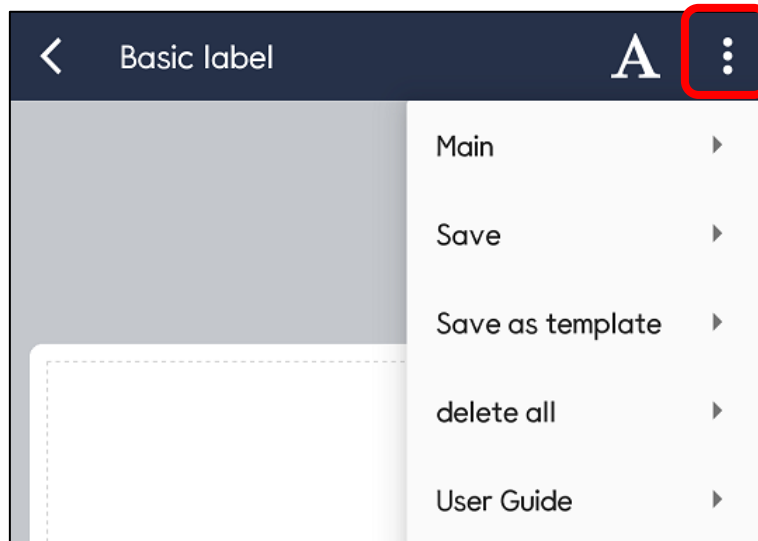
angle : Adjusts the angle of the selected object.

Vector fonts and 1-D barcodes can only be adjusted by 90 degree.

6) Add Object

 : Inserts an object into the label being edited.

3-2-1 Top menu



- 1) Main
Moves to the main screen.
- 2) Save
Stores the label you are editing.
- 3) Save as template
Stores the label you are editing to the printer.
- 4) delete all
Removes all objects on the edit screen.
- 5) User Guide
View help again

3-2-2 Text Settings


You can set properties for text objects.

ConfirmText SettingsCancel


Text

Text


Helvetica

 size


30

 bold


☒

 italic

☒


 underline

☒


 inverse color

☒


Auto Counting

 align left

☐

 align center

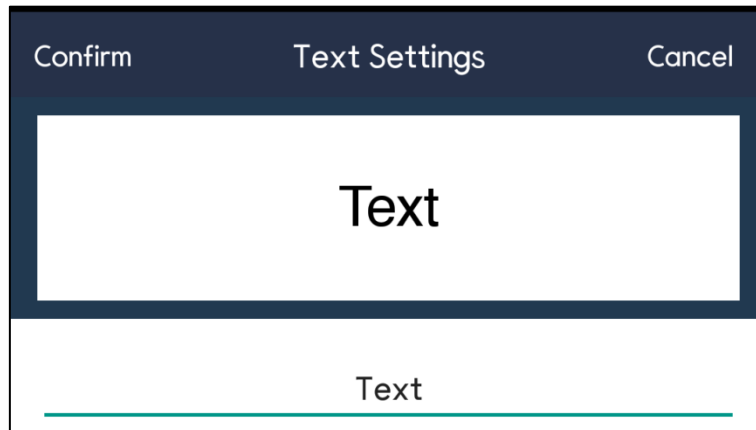
☒

 align right

☐

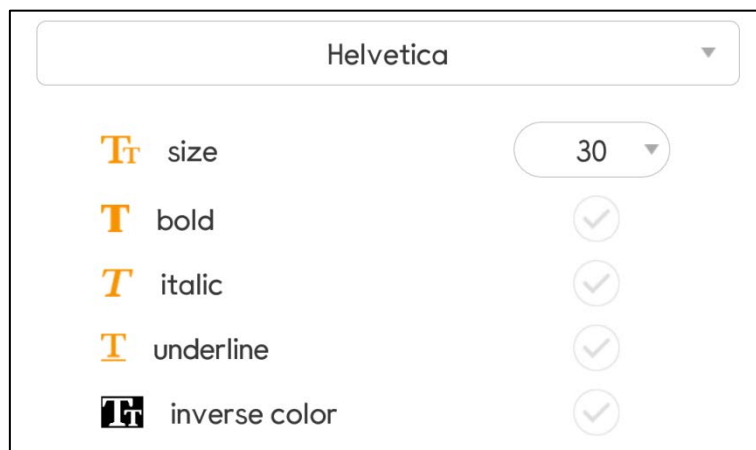
1) Editing String

Modifies the string you want to print.



2) String Properties

Sets the properties of the string.



- font : Sets the string to the font.
- size : Sets the string size.
- bold : Displays the string in bold.
- italic : Displays the string tilted.
- underline : Underlines the string.
- inverse color : Inverts the color and background color of the string.
- Auto Counting: When printing multiple sheets, the number of prints is increased by the set number.

This is only possible if the contents of the string are numeric.

3) Sorting strings

Sorts the strings.

	align left	<input type="radio"/>
	align center	<input checked="" type="radio"/>
	align right	<input type="radio"/>

4) Setting template variable

This is a setting applied when using as a template variable.

**Caution**

To use it as a variable, you must use a font that contains 'VECTOR_FONT' in the font name.

Use template

Input prompt.

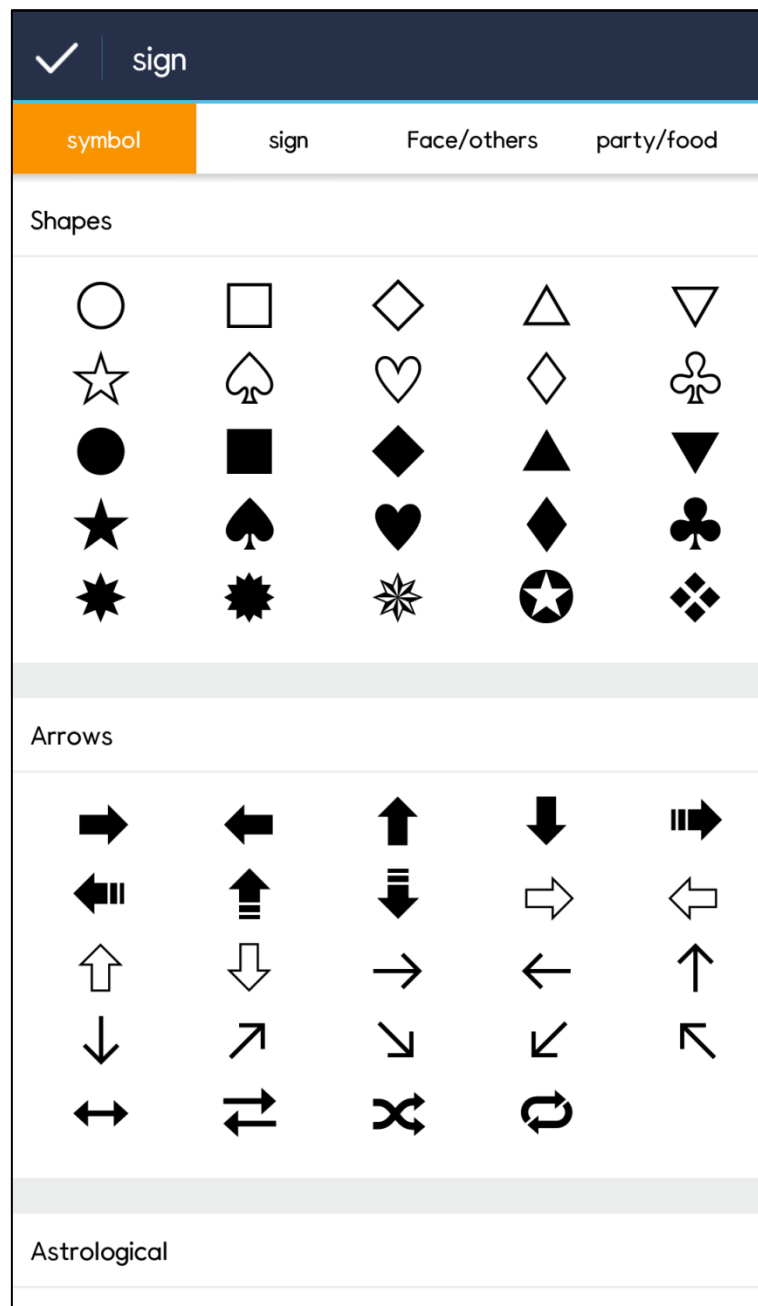
Input length ▼ 10 ▲

Step count ▼ 1 ▲

- Prompt: When printing a template variable, you can enter a description for the variable.
- Data length: Set the maximum length that can be entered.
- Increase / Decrease: It can be set in Auto Counting and automatically sets the value to be increased / decreased (minimum -10, maximum 10).

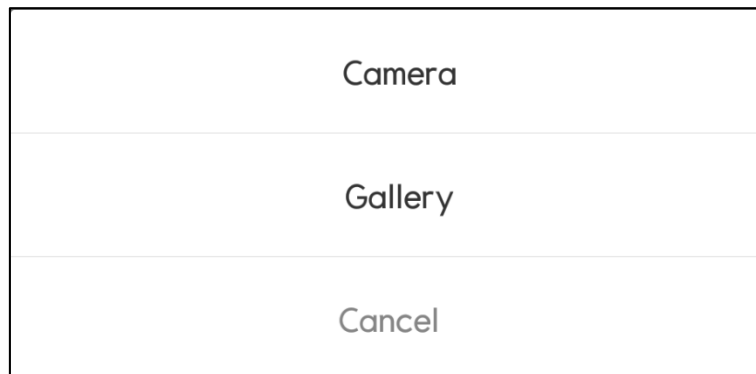
3-2-3 Inserting symbol

Selects the symbol and inserts it into the label you are editing.



3-2-4 Inserting image

Loads images from the camera or SD card and inserts them into the label being edited.



1) Camera

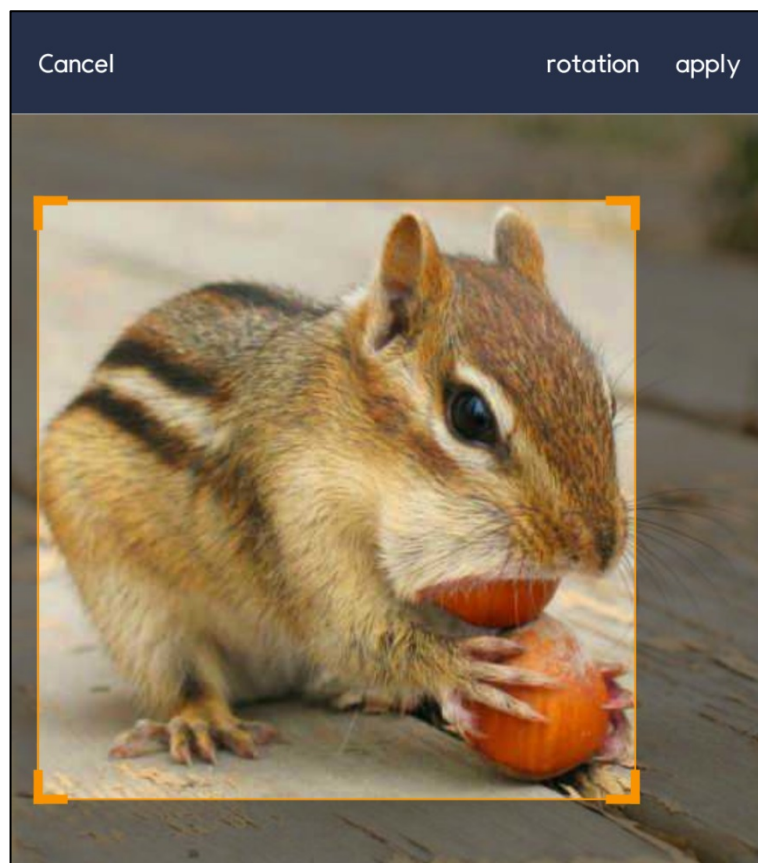
You can edit images after shooting the camera.

2) Album

Loads images from the SD card.

3) Editing Image

You can crop and rotate images.



3-2-5 Inserting barcode

Selects a 1-D barcode or a 2-D barcode, and inserts it into the label you are editing.

The screenshot shows a mobile application interface for creating labels. At the top, a dark header bar contains a back arrow and the text 'Basic label'. Below this, a white dialog box titled 'Code39' is displayed. Inside the dialog, the following information is shown: 'Symbology :CODE39', 'Characters:0-9 A-Z \$ / % + - . Space', 'Length:1-250', and 'Example:Sample12345+-'. Below this information, there are two radio buttons for 'Auto Counting', with 'Yes' selected. A red warning message states 'The barcode may be printed differently from the screen'. Below the warning, there is a text input field labeled 'Input data.' with a yellow border. Underneath the input field is a button labeled 'Use template'. Below the button is another text input field labeled 'Input prompt.' with a blue border. At the bottom of the dialog, there is a section for 'Input length' with a dropdown arrow and a numeric input field showing '10'. At the very bottom of the dialog are two buttons: 'CANCEL' and 'CONFIRM'. Below the dialog, the main screen shows the label dimensions '4.0x3.0 (inch)' and '63%'. At the bottom of the screen, there is a status bar with the text 'Printer is not connected.' and two icons: a printer and a gear.

1) Enter the barcode data

Enter the barcode data to be printed.

At the top of the screen, the type of selected barcode and possible characters are displayed.

2) Auto Counting

When printing multiple sheets, the number of prints is increased by the set number.

This is only possible if the string is a number.

3) Setting template variable

Only available when using 1-D barcodes.

- Prompt: When printing a template variable, you can enter a description for the variable.
- Data length: Set the maximum length that can be entered.
- Increase / Decrease: It can be set in Auto Counting and automatically sets the value to be increased / decreased (minimum -10, maximum 10).
- See below for the available options for 2D barcodes

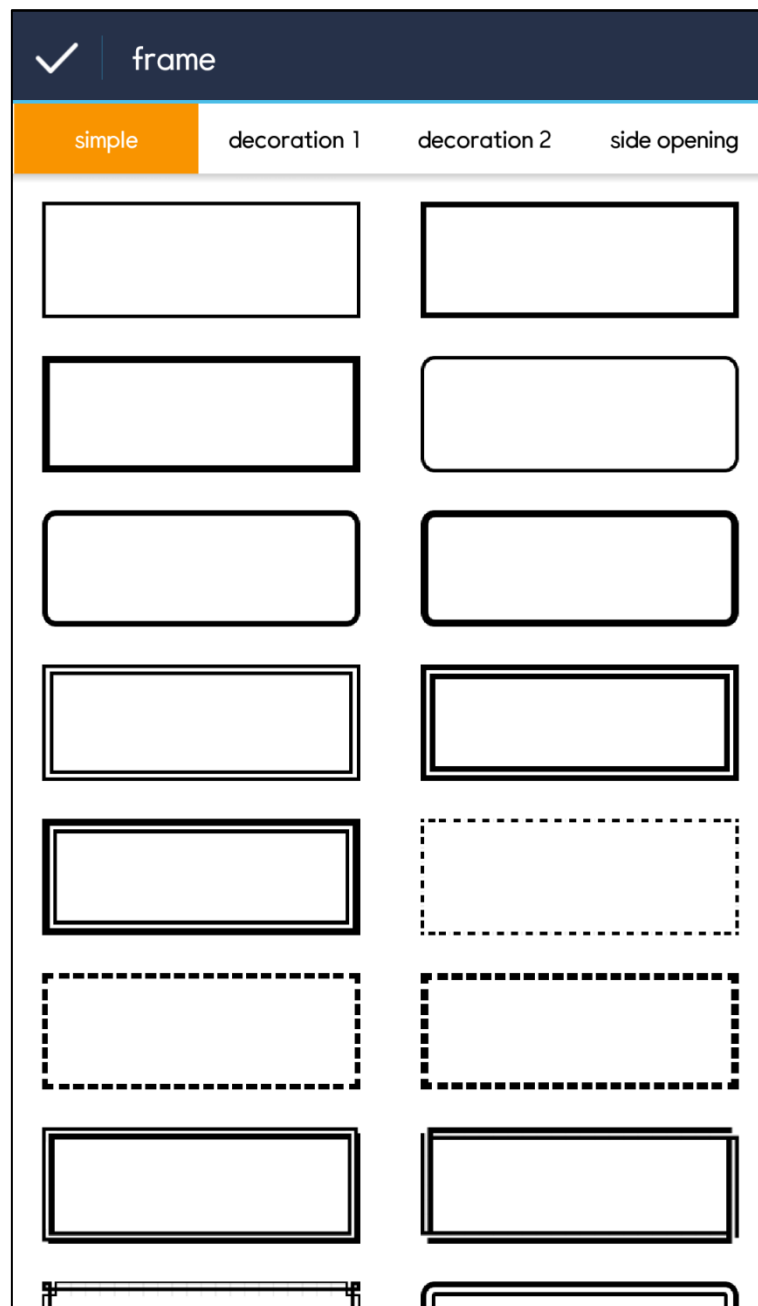
Type	Option	Description
MaxiCode	Mode	Mode according to usage purpose
	Post Code	Domestic or International postal code
	Country code	country code
	Service code	The carrier specifies Service Code
PDF417	Number of Data Columns	Number of data columns
	Error Correction Capacity	Error detection and correction
	Maximum codeword Length	Maximum codeword length
QR Code	Add Error Correction	Add Error Correction
Data Matrix	Size	Cell Size
Aztec	Adjust Size	Cell Size
	Add Error Correction	Add Error Correction
Micro PDF	Number of Data Columns	Number of data columns

**Note**

- Some barcodes may not be recognized if they are too small.
- If you make the barcode size too large, it may not be recognized by the scanner.

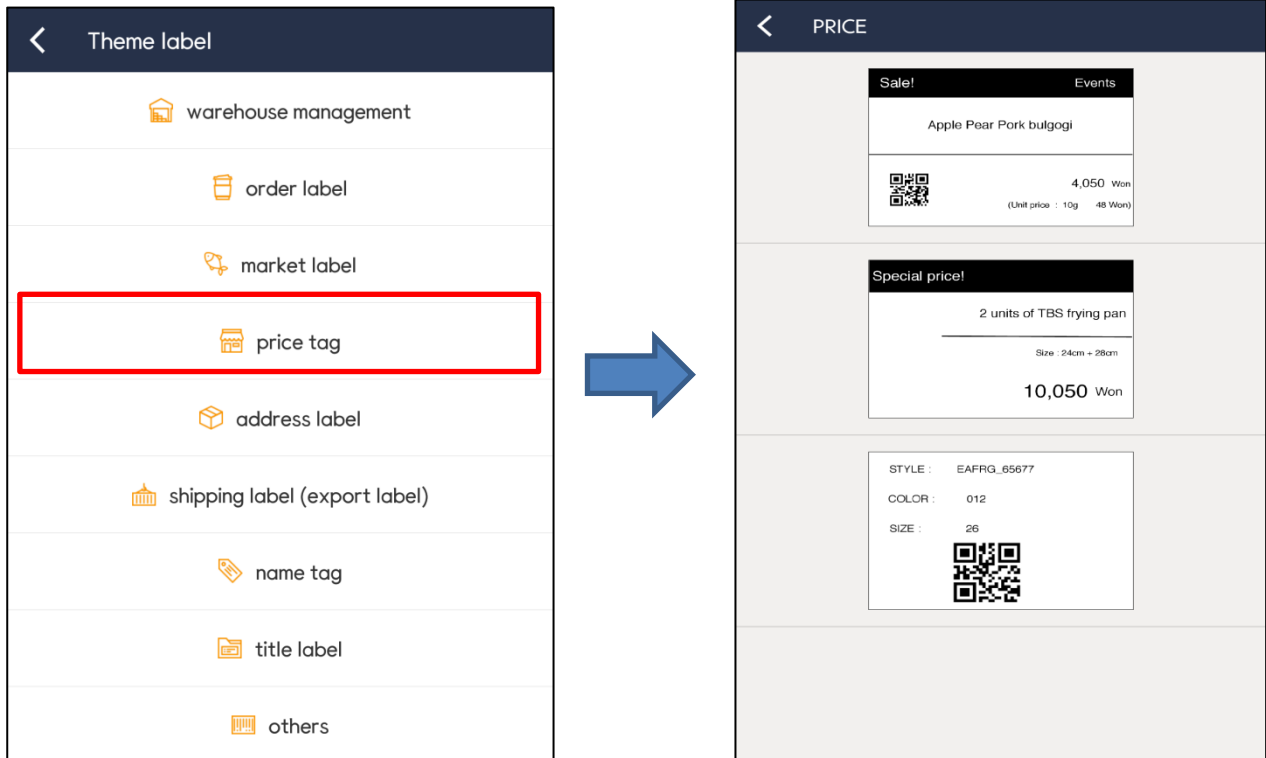
3-2-6 Inserting frame

Selects a frame and inserts it into the label you are editing.



3-3 Theme label

- Prints predefined labels.



- 1) Moves to sub menu by selecting theme label list.
- 2) Moves to the label edit screen by selecting submenu, where you can print and edit.

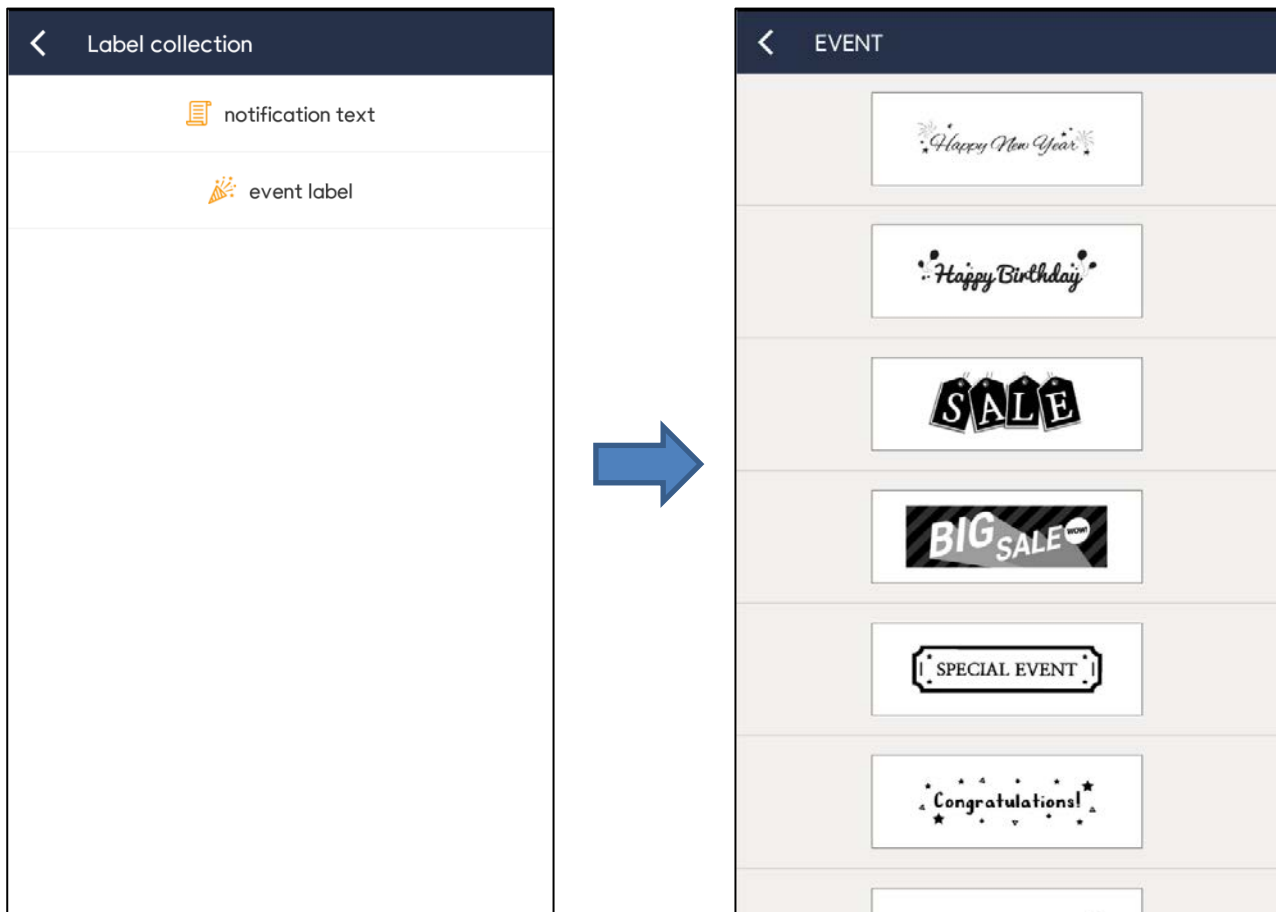


Caution

For the label edit screen, see **3-2. Basic label** section.

3-4 Label collection

- Prints predefined labels.



- 1) Moves to sub menu by selecting theme label list.
- 2) Moves to the label edit screen by selecting submenu, where you can print and edit.

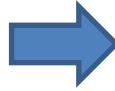
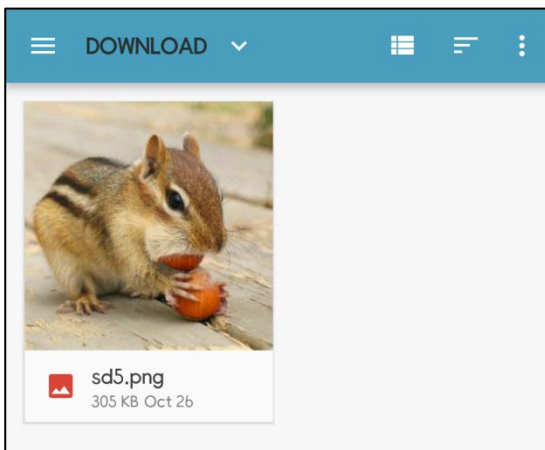



Caution

For the label edit screen, see **3-2. Basic label** section.

3-5 Gallery (Photos)

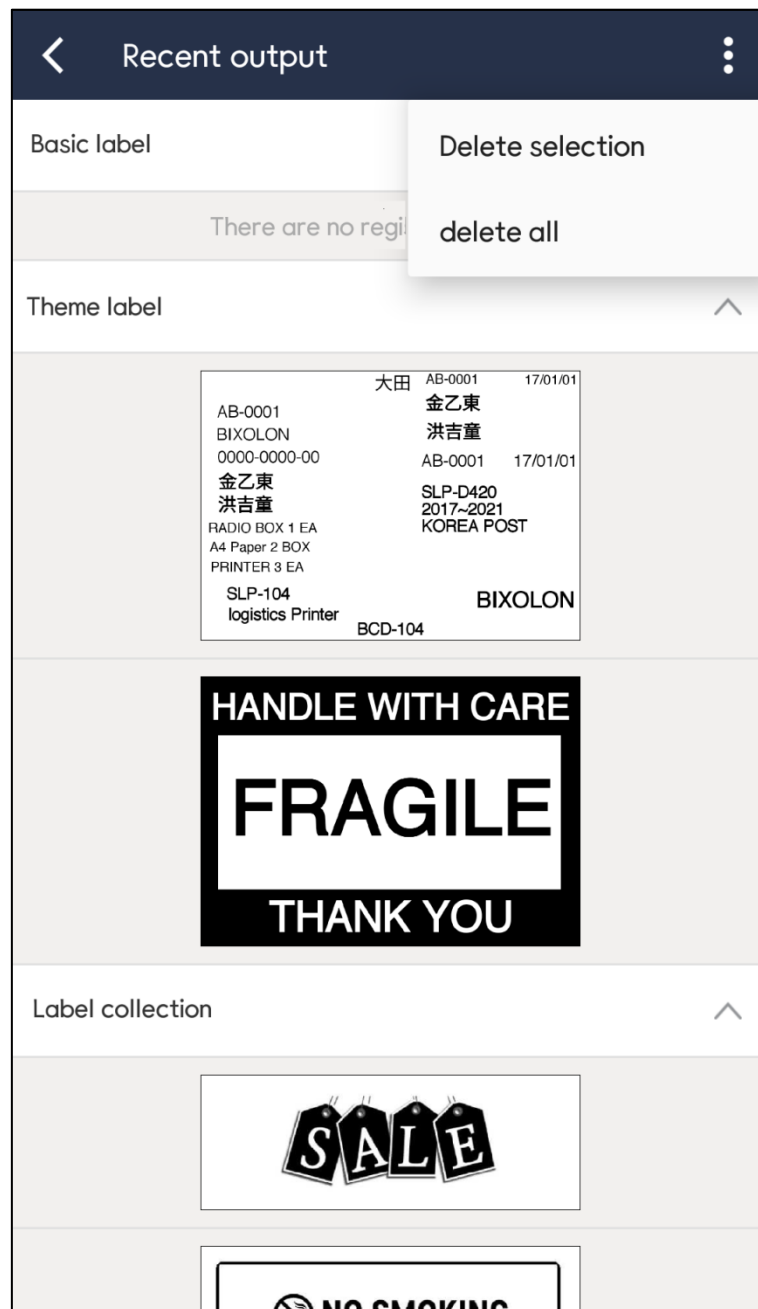
- You can select and edit images stored on the SD card.



- 1) When you are on the menu, the image selection screen appears.
- 2) You can edit the selected image after selecting an image.
- 3) Editing Image
 - Rotate : You can rotate the image by 90 degree after selecting Rotate.
 - Crop : You can crop the image by adjusting the  shape of the rectangle.

3-6 Recent output

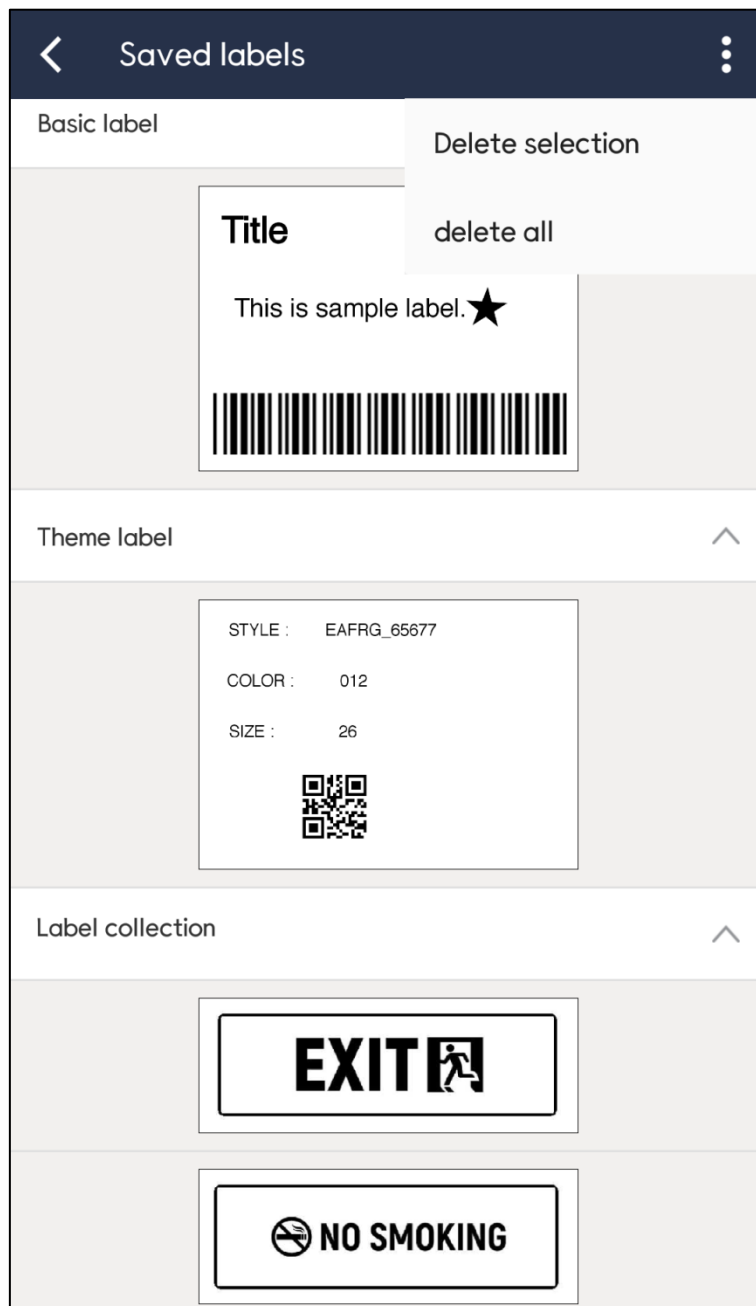
- You can view a list of recently printed labels.



- 1) Select label
Moves to label edit screen by select.
- 2) Delete selection
Deletes the selected label.
- 3) Delete all
Deletes all labels

3-7 Saved labels

- You can view the labels the user has stored.

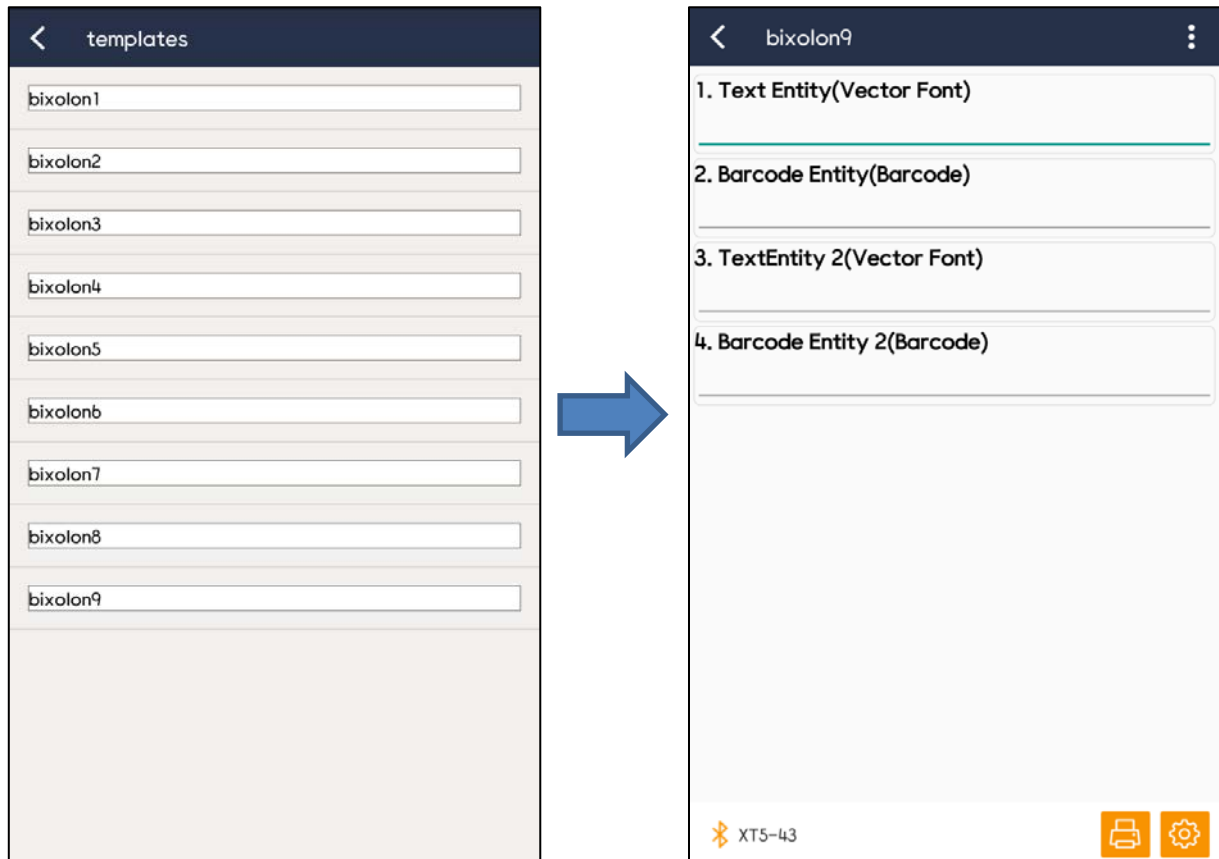


- 1) Select label
Moves to the edit screen of the selected label.
- 2) Delete selection
Deletes the selected label.
- 3) Delete all
Deletes all labels



3-8 Template

- You can print templates stored in the printer.

It can be used only when it is connected to the printer.



- 1) Moves to data input screen of the template by selecting template name
- 2) You can delete the template by pressing the template name long
- 3) A list of variables stored in the template is displayed, and you can print it via the print button at the bottom.

 Note	<ul style="list-style-type: none"> - For a description of store template, see 3-2-1. Top menu section. - For a description of adding text variables, see 3-2-2. Text settings section. - For a description of adding barcode variables, see 3-2-5. Inserting barcodes section.
 Caution	<p>Images cannot be edited.</p>

3-9 Settings

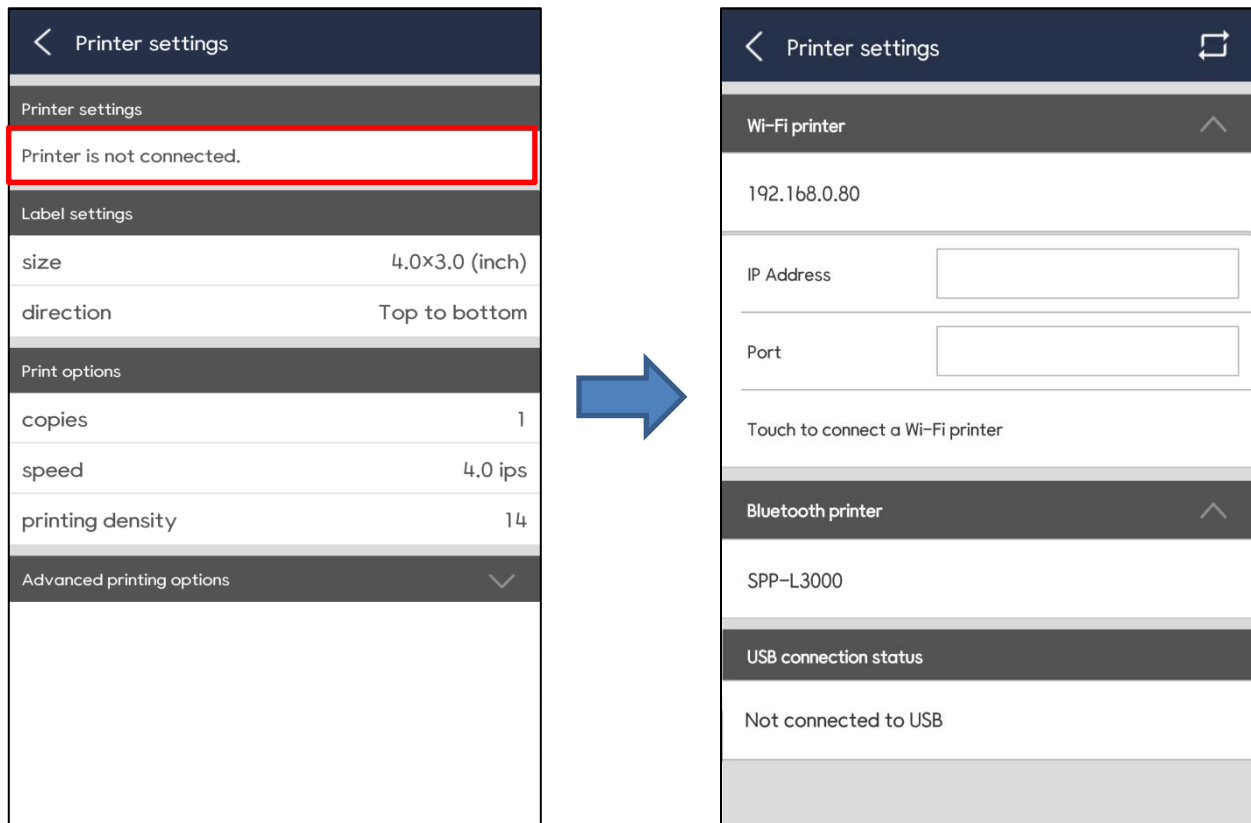
- You can change the printer connection and print settings.

 Printer settings	
Printer settings	
Printer is not connected.	
Label settings	
size	4.0×3.0 (inch)
direction	Top to bottom
Print options	
copies	1
speed	4.0 ips
printing density	14
Advanced printing options 	
Sensor Type	Direct Thermal
Media Type	GAP
Margin	0:0
Position adjustment	black mark offset(1) Tear-off/cutter offset(1)

3-9-1 Printer settings

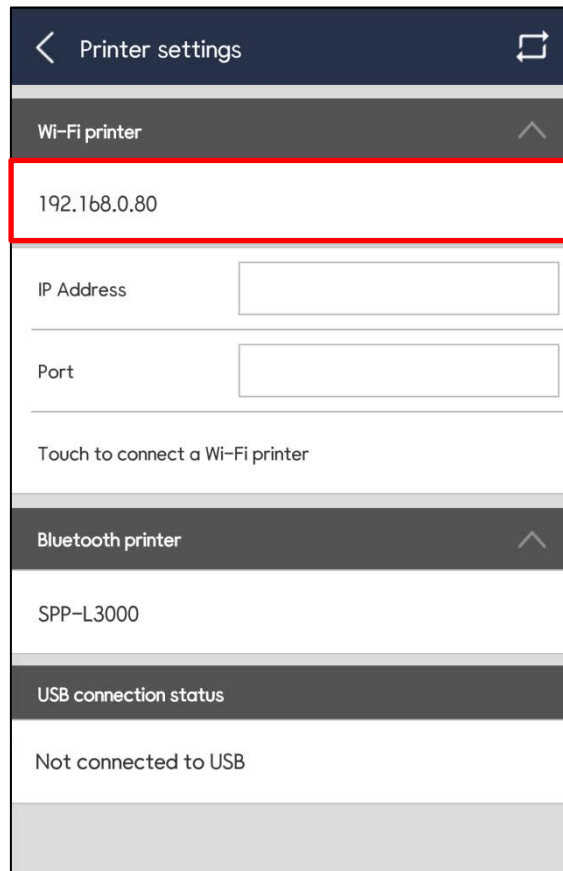
Press the printer setting button on the screen to see the following screen.

Wi-Fi, Bluetooth, Ethernet connection is possible. After connecting to the printer, it goes back to the previous screen.

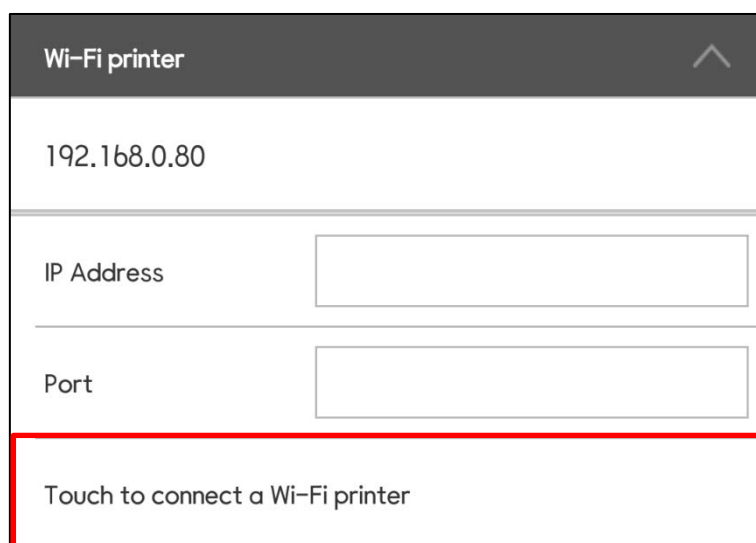


1) Wi-Fi Printer

- Shows a list of printers that can be connected via Wi-Fi.
- Select a printer from the list if you want to try to connect to the printer.



- If you want to connect manually, you can try to connect to the printer after entering the IP address and port number.



2) Bluetooth Printer

- Shows a list of Bluetooth printers paired with the host device.
- To connect via Bluetooth, the host device and printer must be paired in advance.

The screenshot displays the 'Printer settings' interface. At the top, there's a dark blue header with a back arrow and the title 'Printer settings', and a refresh icon on the right. Below this is a section for 'Wi-Fi printer' with a dark grey header and an upward arrow. It shows the IP address '192.168.0.80', followed by input fields for 'IP Address' and 'Port'. A text prompt 'Touch to connect a Wi-Fi printer' is below the fields. The next section is 'Bluetooth printer', also with a dark grey header and an upward arrow. It contains a list item 'SPP-L3000' which is highlighted with a red rectangular border. The final section is 'USB connection status' with a dark grey header, showing the status 'Not connected to USB'.

3) USB Connection

- Shows the printer connected via USB to the host device.

The screenshot displays the 'Printer settings' interface. At the top, there's a dark blue header with a back arrow and the title 'Printer settings', and a refresh icon on the right. Below this is a section for 'Wi-Fi printer' with a chevron icon. It shows the IP address '192.168.0.80'. There are input fields for 'IP Address' and 'Port'. Below these is a text prompt: 'Touch to connect a Wi-Fi printer'. The next section is for 'Bluetooth printer' with a chevron icon, showing the printer name 'SPP-L3000'. The final section, 'USB connection status', is highlighted with a red border and shows the device path '/dev/bus/usb/001/020'.

**Caution**

It can be used after connecting to the host device and printer using OTG gender.

4) Printer settings

- Shows the model name of the connected printer.

< Printer settings	
Printer settings	
SPP-L3000	
Label settings	
size	4.0x3.0 (inch)
direction	Top to bottom
Print options	
copies	1
speed	4.0 ips
printing density	14
Advanced printing options ^	
Sensor Type	Direct Thermal
Media Type	GAP
Margin	0:0
Position adjustment	black mark offset(1) Tear-off/cutter offset(1)

3-9-2 Label settings

You can set the size and orientation of the medium.

< Printer settings	
Printer settings	
SPP-L3000	
Label settings	
size	4.0x3.0 (inch)
direction	Top to bottom
Print options	
copies	1
speed	4.0 ips
printing density	14
Advanced printing options ^	
Sensor Type	Direct Thermal
Media Type	GAP
Margin	0:0
Position adjustment	black mark offset(1) Tear-off/cutter offset(1)

1) Size

- You can set the medium size for each unit. (inch, mm, cm)

unit selection
inch
mm
cm
Close

- You can set the size of the medium by selecting the unit.

unit selection
optional input
direct input
Close

2) Direction

- You can set the print medium's orientation.

Direction setting	
Top to bottom	<input checked="" type="radio"/>
Bottom to top	<input type="radio"/>
Cancel	

3-9-3 Print option

You can set the number of prints, print speed, and print density

< Printer settings	
Printer settings	
SPP-L3000	
Label settings	
size	4.0x3.0 (inch)
direction	Top to bottom
Print options	
copies	1
speed	4.0 ips
printing density	14
Advanced printing options ^	
Sensor Type	Direct Thermal
Media Type	GAP
Margin	0:0
Position adjustment	black mark offset(1) Tear-off/cutter offset(1)

1) Copies

- You can set the number of prints (up to 99).

The dialog box has a dark blue header with the text "Enter copies count". Below the header, it says "Up to 99 can be input". In the center, there is a white input field containing the number "1", flanked by a downward-pointing orange triangle on the left and an upward-pointing orange triangle on the right. At the bottom, there are two buttons: "Cancel" on the left and "Confirm" on the right.

2) Speed

- You can set the print speed.

The dialog box has a dark blue header with the text "Select speed". Below the header, there is a list of speed options in inches per second (ips): 2.5 ips, 3.0 ips, 4.0 ips, 5.0 ips, 6.0 ips, 7.0 ips, and 8.0 ips. Each option has a corresponding radio button to its right. The "4.0 ips" option is selected, indicated by an orange background and a filled orange radio button. At the bottom, there is a "Cancel" button.

3) Density

- You can set the density of prints.
- If the density is too low, it may be printed as white medium.

The dialog box has a dark blue header with the text "unit selection". Below the header, it says "Up to 20 can be input". In the center, there is a white input field containing the number "10". Below the input field, there is a horizontal slider bar with a yellow dot in the middle. The slider bar is labeled "1" on the left and "20" on the right. At the bottom, there are two buttons: "Cancel" on the left and "Confirm" on the right.

3-9-4 Advanced printing options

You can media and sensor type, margin, offset, auto count, and crop options.

< Printer settings	
Printer settings	
SPP-L3000	
Label settings	
size	4.0x3.0 (inch)
direction	Top to bottom
Print options	
copies	1
speed	4.0 ips
printing density	14
Advanced printing options ^	
Sensor Type	Direct Thermal
Media Type	GAP
Margin	0:0
Position adjustment	black mark offset(1) Tear-off/cutter offset(1)

1) Sensor Type

- Sets the sensor type of the printer.

Sensor Type	
Direct Thermal	<input checked="" type="radio"/>
Thermal Transfer	<input type="radio"/>
Cancel	

2) Media type

- Sets the media type.

Media type	
GAP	<input checked="" type="radio"/>
Black mark	<input type="radio"/>
Continuous	<input type="radio"/>
Cancel	

3) Margin

- Sets margins.

Margin	
X coordinate	<input type="text" value="0"/>
Y coordinate	<input type="text" value="0"/>
Cancel	Confirm

4) Position Adjustment

- You can set the gap between the gap or black mark and the perforation line.
- You can set the tear-off or cutting position of the printer.

Position Adjustment

- 100 ~ 100 can be input

Black mark offset

1

Tear-off/
cutter
offset

1

Cancel

Confirm

5) Auto Counting

- Sets the number to automatically increase.

Auto Counting

Auto Counting

It automatically increases the number of bar codes by a specified number.

▼

1

▲

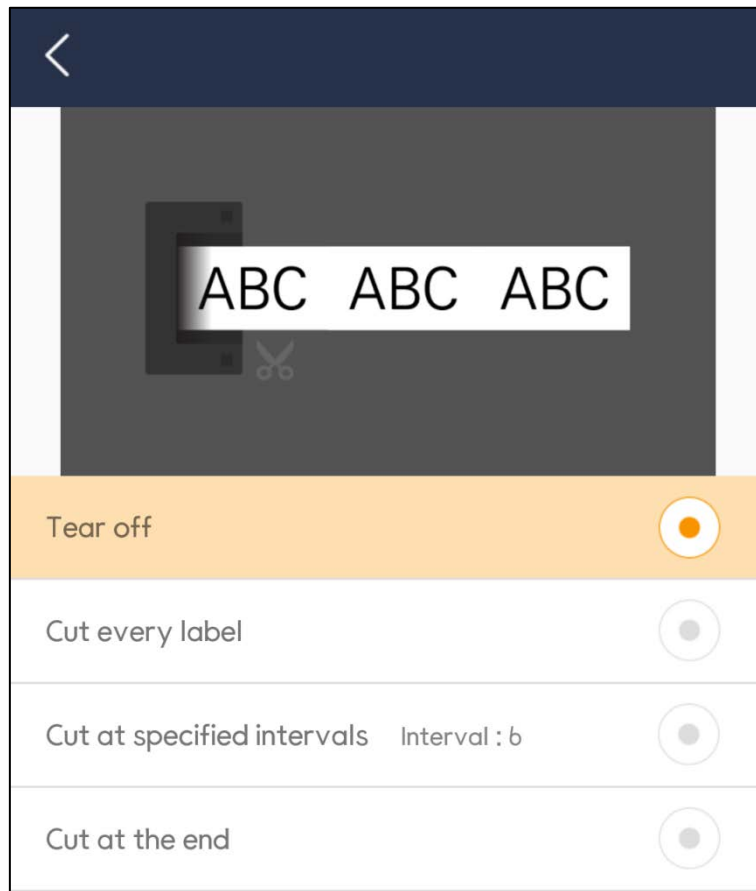
Confirm

**Note**

For auto counting, see **3-2-2. Text settings**, or **3-2-5. Barcode insert and edit section**.

6) Cutting option

- Sets whether to cut or not.

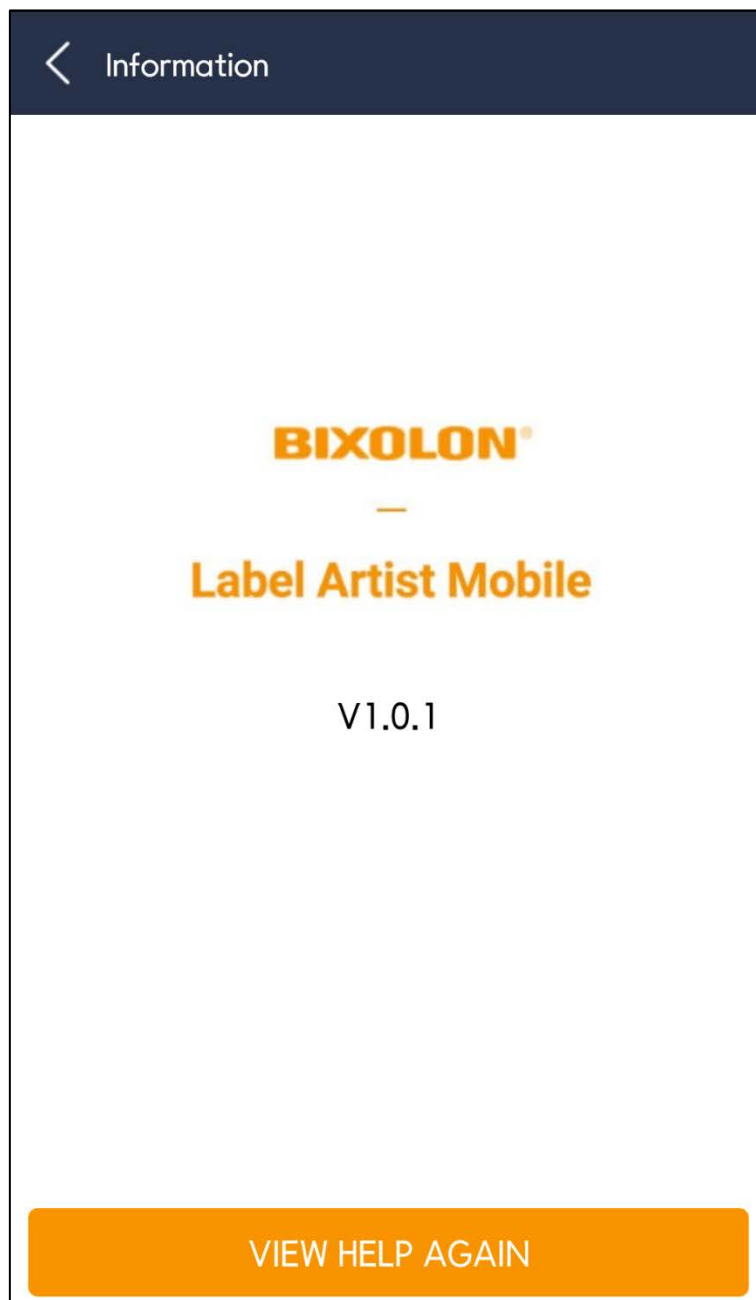


Caution

On models without a cutter, an error will occur during setup.

3-10 Information

- Select the ⓘ button in the upper right corner of the main screen to see app information and help.



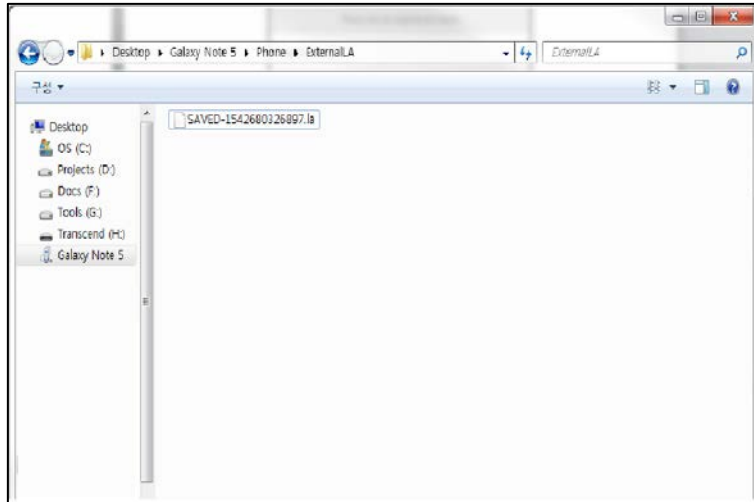
1) VIEW HELP AGAIN

- You can receive help for using the app.

4. ETC

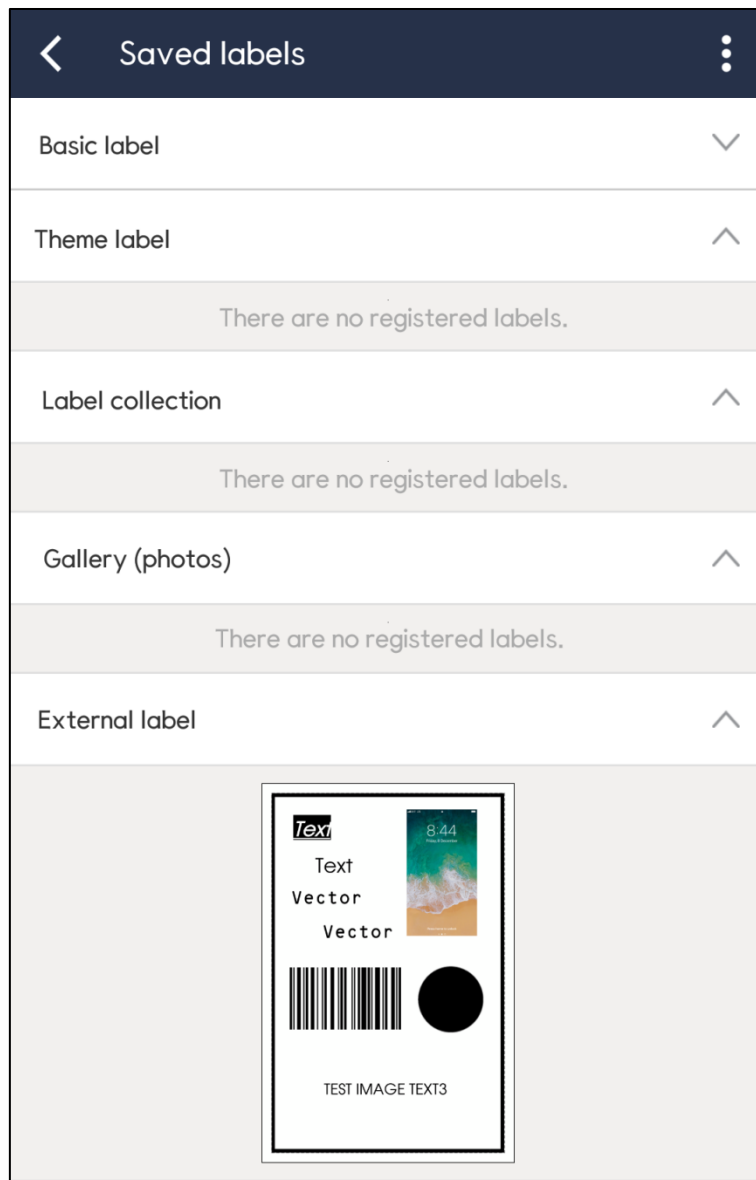
4-1 Import external label design file

- 1) Select the '.la' file you saved from the other phone and put it in the 'ExternalLA' folder in the internal storage of the connected phone.
- 2) Label Artist Mobile's labels are stored in '.la' format, and files with other extensions can not be imported.



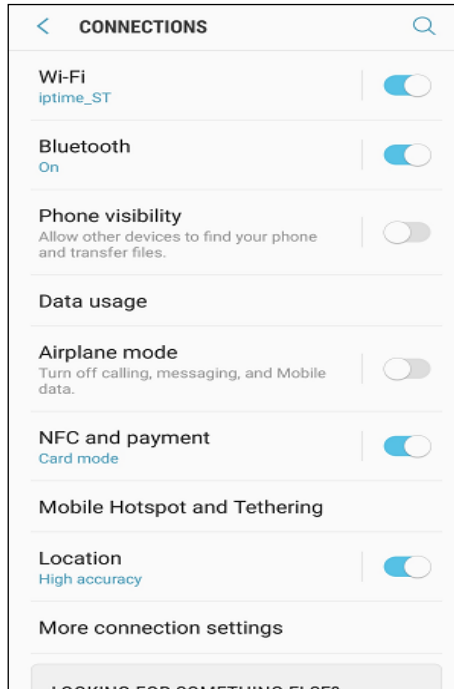
4-2 Saving and importing label design files

- 1) After configuring the label, you can save it through the pop-up menu in the upper right corner.
- 2) When you save, the file is saved as an arbitrary name in the '/ExternalLA' folder of the internal storage.
- 3) When importing a saved file, you can check it with the 'External label' item in 'Saved label' menu.

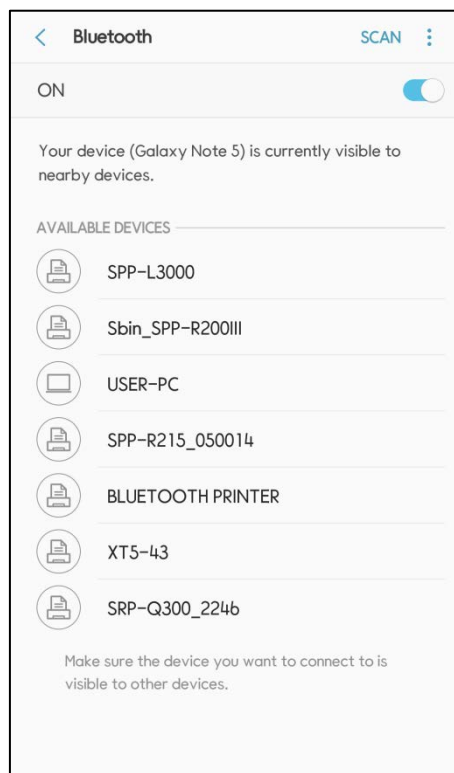


4-3 Bluetooth Connection

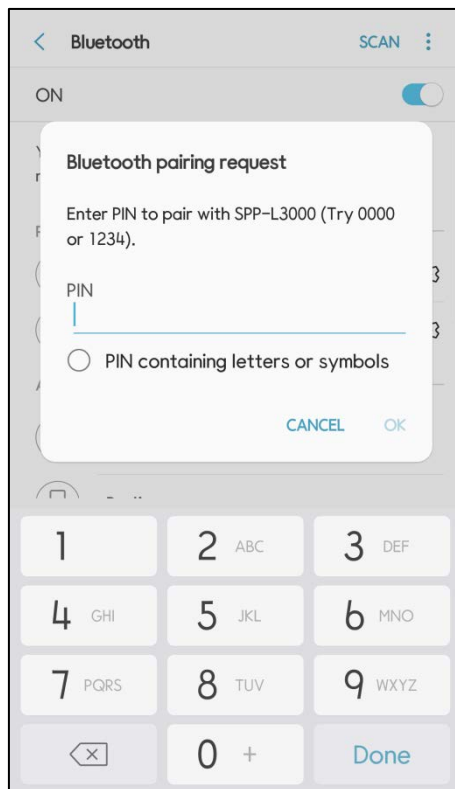
- 1) Turn on the printer power.
- 2) Select [Settings] - [Bluetooth].



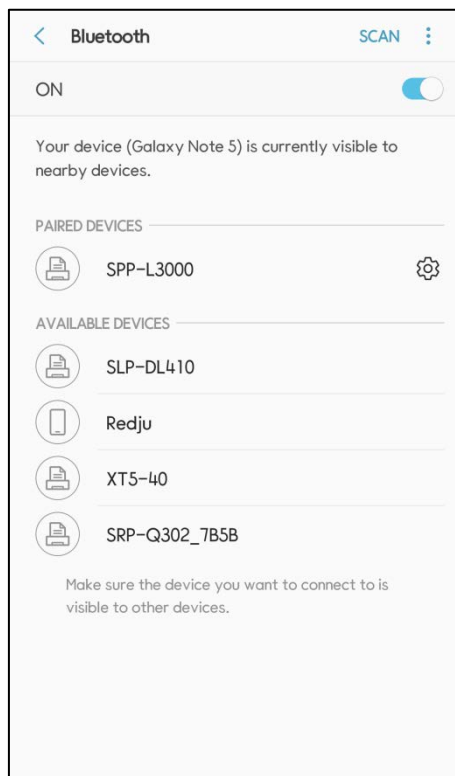
- 3) If you change from 'off' to 'on', then you can find available device list for Bluetooth connection. Select a device you want to connect on the list.



- 4) If you find the below screen, please input password and click 'Join'.
Password is '0000' or '1234'.

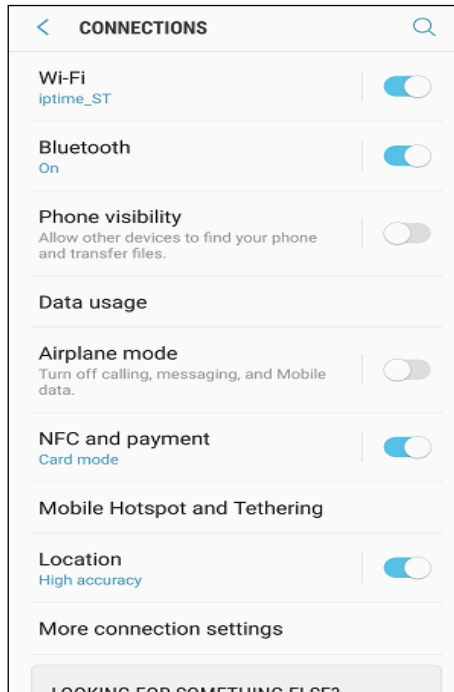


- 5) If you find a device you want to connect on the 'Paired Devices',
then the connection is well done

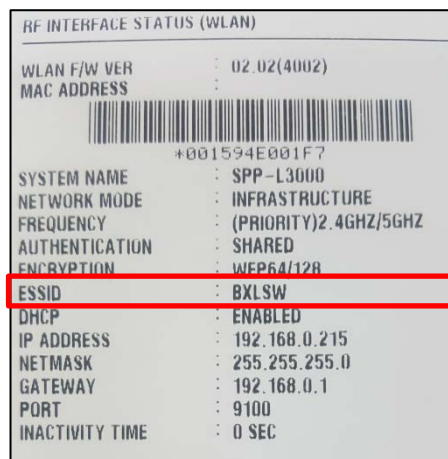


4-4 Wi-Fi Connection

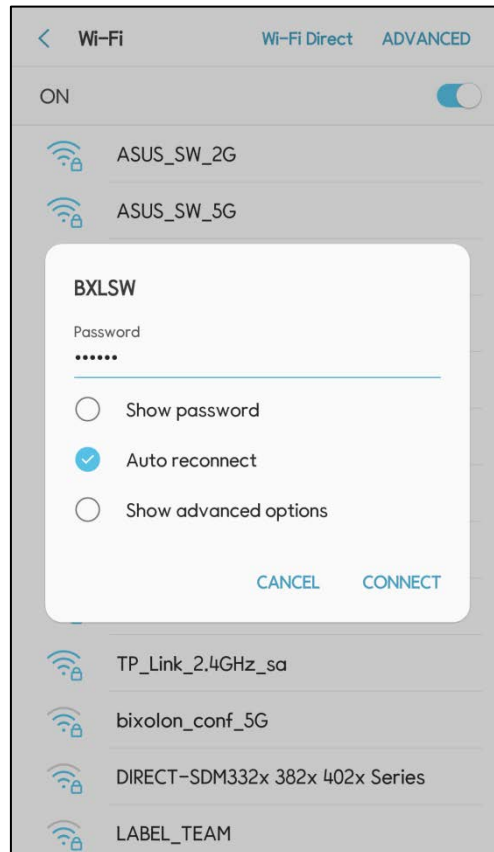
- 1) Turn on the printer power.
- 2) Select [Settings] - [Wi-Fi].



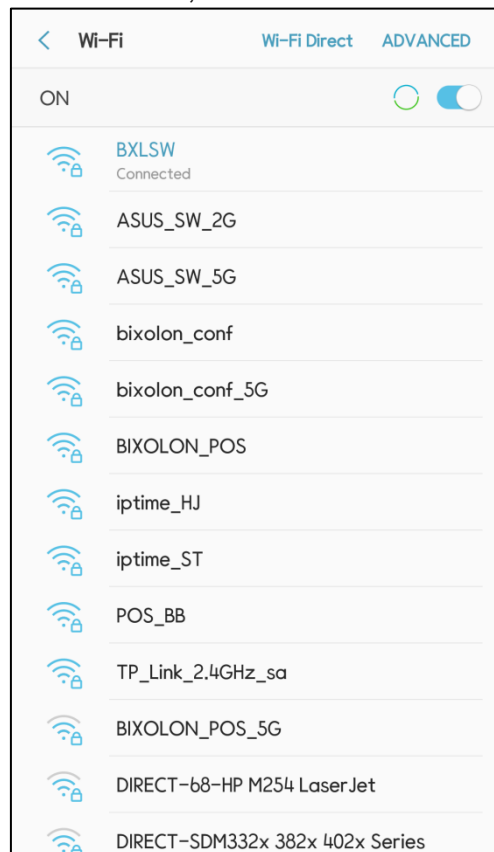
- 3) Check the network information set in the printer.
Please check [RF Interface] - [ESSID] after self test
For the self-test, press and hold the Feed button while the printer is off.



4) Connect to Network of the AP which is connected to the printer.



5) If the network shows "Connected", the connection is complete.



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Caution

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

Revision history

[illegible]