BIXOLON

Software Manual

Web Print SDK

Android

Ver. 1.21

www.bixolon.com

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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”.

Table of Contents

Copyright **2**

1. Manual Information **4**

2. Web Print SDK Operating Environment **5**
2-1 Features 5
2-2 Supported OS & Web Browser 5
2-3 Supported Interface 5
2-4 Supported printers 6
2-4-1 POS Printer 6
2-4-2 Label Printer 6
2-4-3 Mobile Receipt Printer 7
2-4-4 Mobile Label Printer 7
2-4-5 B-gate 7
2-4-6 Kiosk Printer 7

3. Useful Function **8**
3-1 Setting 9
3-1-1 Printer Setting 10
3-1-2 Browser Setting 12
3-1-3 Web Server Setting 13
3-2 launch screen 15
3-2-1 Label Sample Page 16
3-2-2 Pos Sample Page 19
3-2-3 MSR Sample Page 23

4. Appendix **24**
4-1 Log file check method 24
4-2 Bluetooth Printer Connection 24
4-3 WiFi/Ethernet Printer Connection 30

1. Manual Information

This manual contains the information needed to write web applications in using BIXOLON's printers with the BIXOLON Web Print SDK.

Those who are using this application are recommended to carefully read the instructions in this manual prior to use.

2. Web Print SDK Operating Environment

2-1 Features

• It provides the feature controlling printers on WebView that display web pages inside this application.

2-2 Supported OS & Web Browser

• Android 6.0 or later

2-3 Supported Interface

• Bluetooth
• Wi-Fi
• Ethernet
• USB

2-4 Supported printers

2-4-1 POS Printer
SRP-S300 / SRP-S300II / SRP-S320
SRP-S200
SRP-Q300 / SRP-Q302 / SRP-Q300II
SRP-380 / SRP-382 / SRP-383
SRP-380plus / SRP-382plus
SRP-F310II / SRP-F312II / SRP-F313II
SRP-350plusIII / SRP-352plusIII
SRP-350plusV / SRP-352plusV
SRP-350V / SRP-352V
SRP-275III
SRP-S3000
SRP-330II / SRP-332II
SRP-330III / SRP-332III
SRP-Q200
SRP-QE300/QE302
STP-103III
SRP-B300
SRP-G300
SRP-B300II

2-4-2 Label Printer
SLP-TX400 / SLP-TX403
SLP-TX420 / SLP-TX423
SLP-TX220 / SLP-TX223
SLP-DX420 / SLP-DX423
SLP-DX220 / SLP-DX223
SLP-DL410 / SLP-DL413
XT5-40(RFID) / XT5-43(RFID) / XT5-46(RFID)
XL5-40CT / XL5-43CT
XD5-40d / XD5-43d
XD5-40IId / XD5-43IId
XD5-40t(RFID) / XD5-43t(RFID)
XD5-40IIt(RFID) / XD5-43IIt(RFID)
SRP-S3000_LABEL
XQ-840 / XQ-843 / XQ-840II / XQ-843II
XD3-40d / XD3-40t
XT3-40 / XT3-43
XT6-60 / XT6-63
SRP-E770III
BT3-40 / BT3-43
BT5-40 / BT5-43 / BT5-46
BD-40d / BD5-40t / BD-43d / BD5-43t
XD7-20d / XD7-23d
XT6-40 / XT6-43 / XT6-46

2-4-3 Mobile Receipt Printer
SPP-R200III
SPP-R210
SPP-R220
SPP-R230
SPP-R310
SPP-R410
SPP-C200
SPP-C300

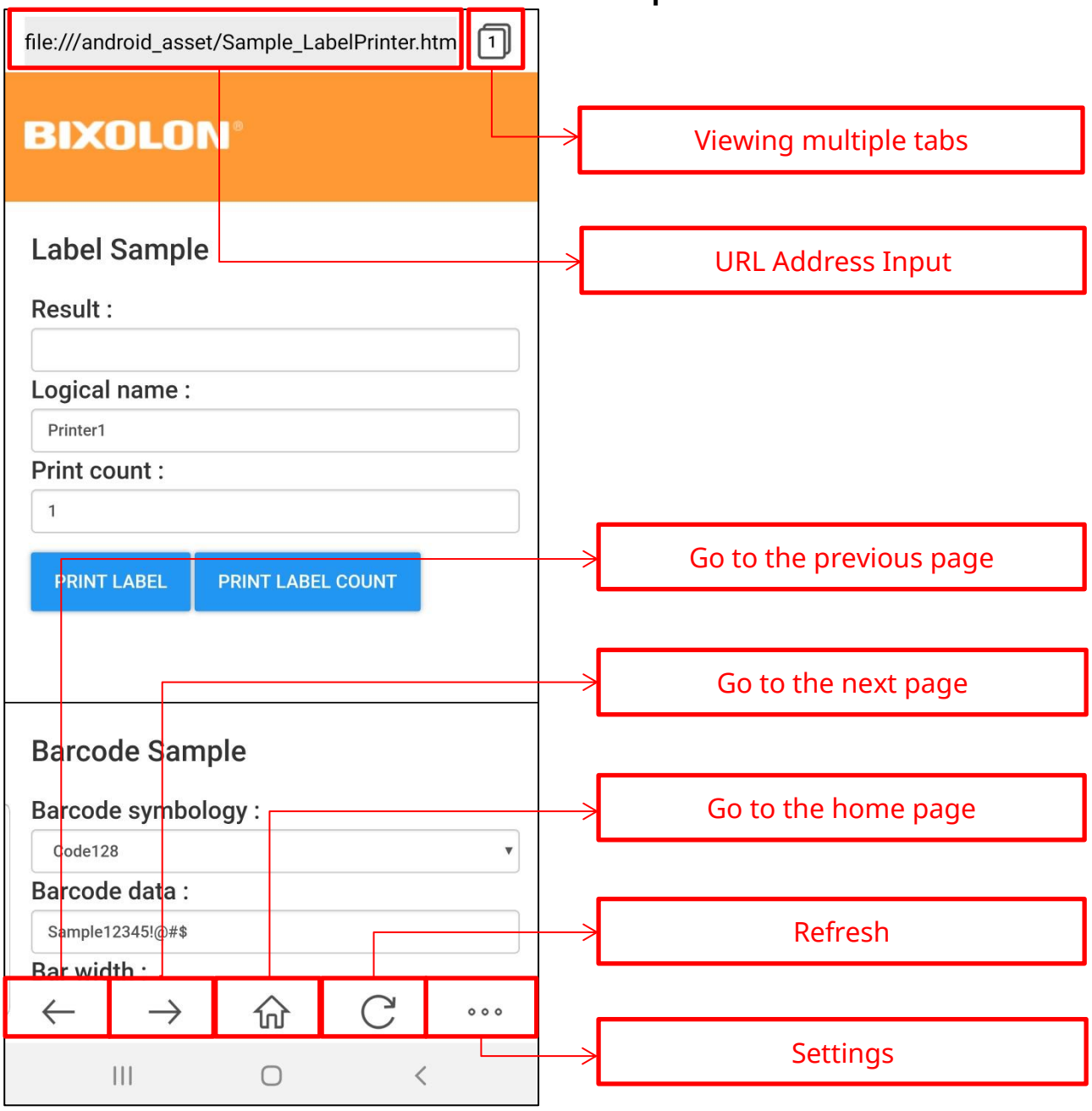
2-4-4 Mobile Label Printer
SPP-L3000
XM5-30
XM7-40(RFID)
XM7-20
XM7-30
SPP-L310
SPP-L410

2-4-5 B-gate
BGT-100P / BGT-102P
SRP-Q300H / SRP-Q302H
SRP-S300H / SRP-S320H
SRP-F310IIH / SRP-F312IIH

2-4-6 Kiosk Printer
BK3-3 / BK3-2
BK5-3
BK5-4
SPP-300

3. Useful Function

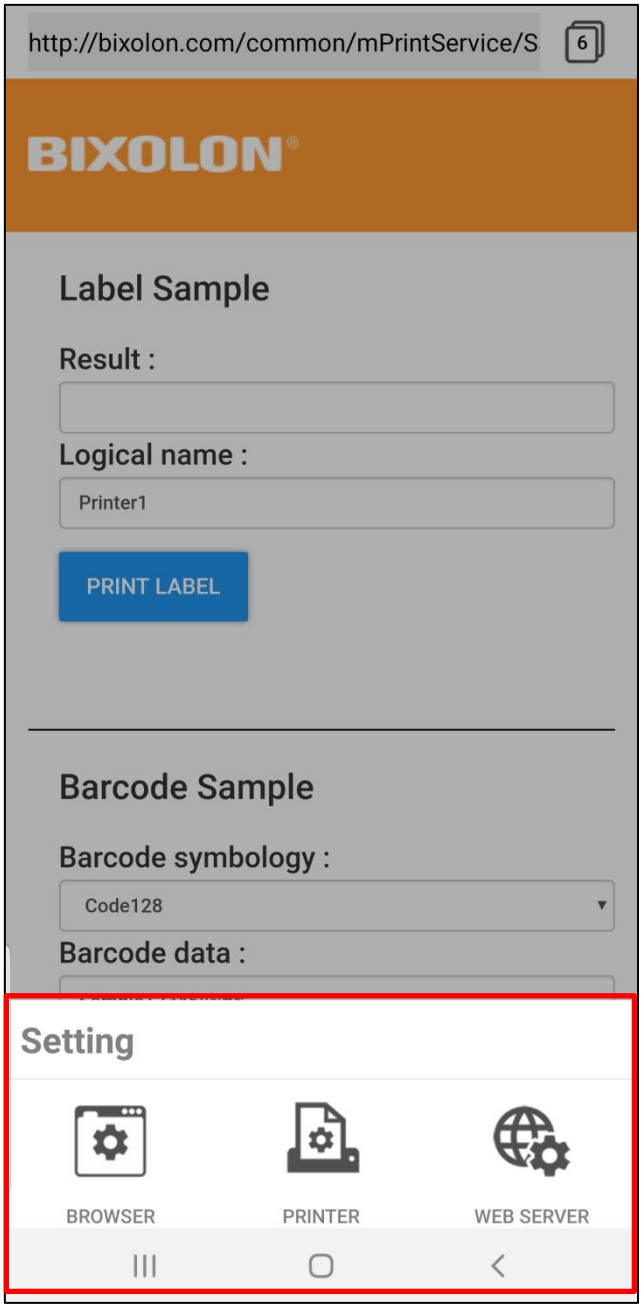
< Launch screen description >



3-1 Setting

• Below functions are provided in Setting Function.

- **Printer**
- **Browser**
- **Web Server**

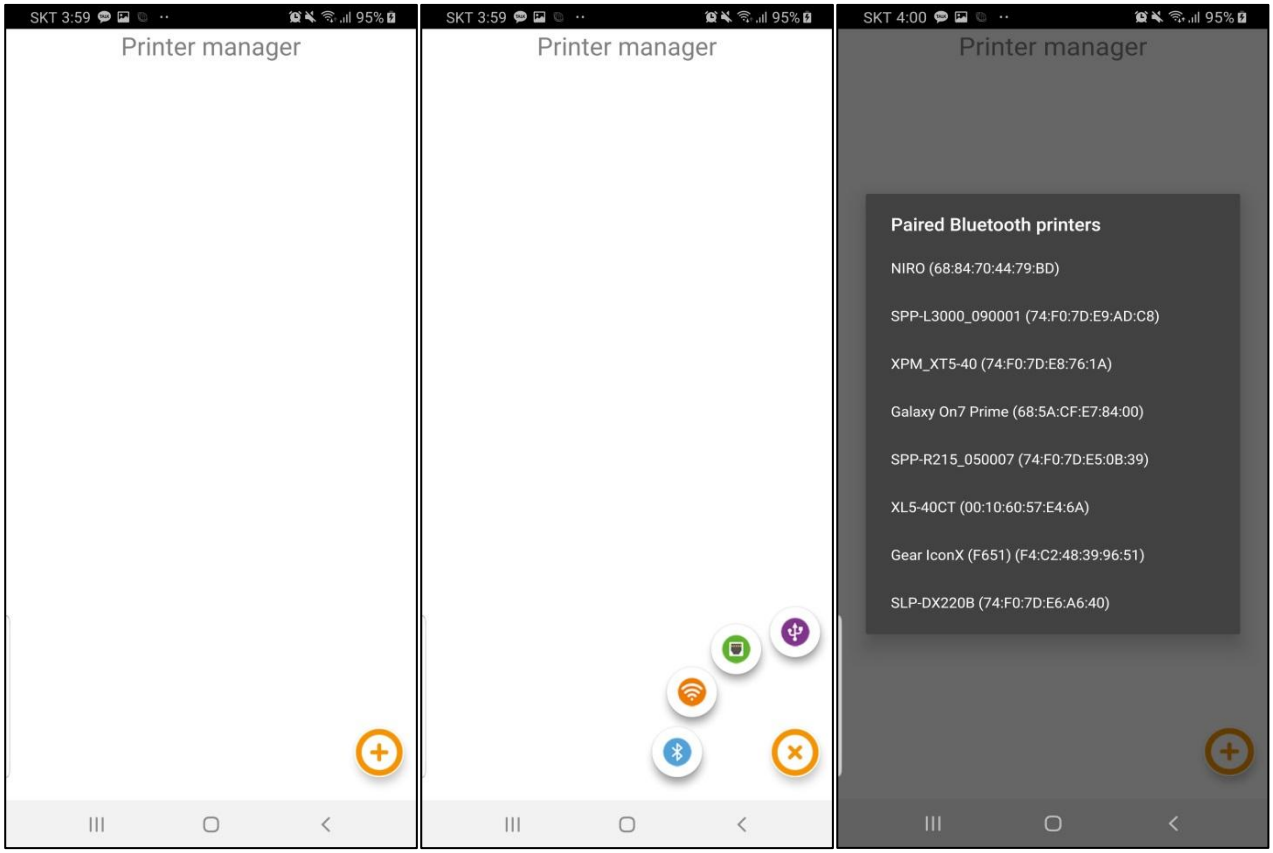


3-1-1 Printer Setting

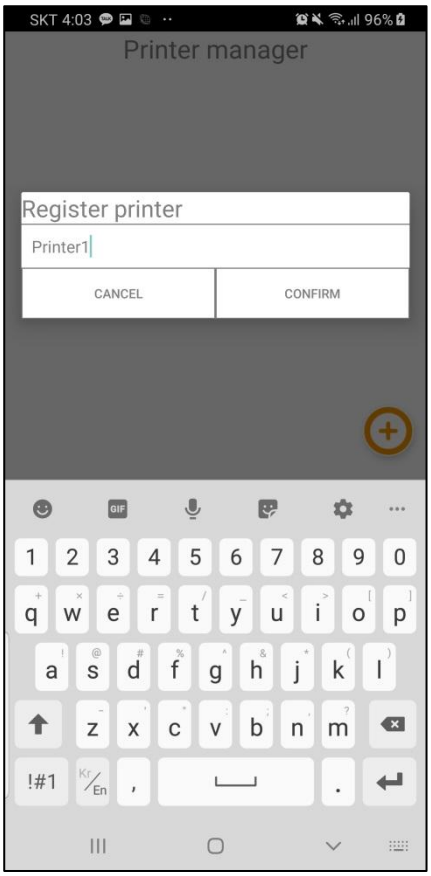
Printer can be registered through Printer Setting. Follow below procedure

1) Click + button located in right bottom of the screen
2) Select Interface
   * Bluetooth / Wi-Fi / Ethernet / USB*
3) Available printer list is Popped up
   * If there are no printers which you want to connect in the list,
   refer to the 4-2 and 4-3 in this manual.
4) Select printer in the printer list
5) Input Logical Name
   * name the registered printer as Logical name *

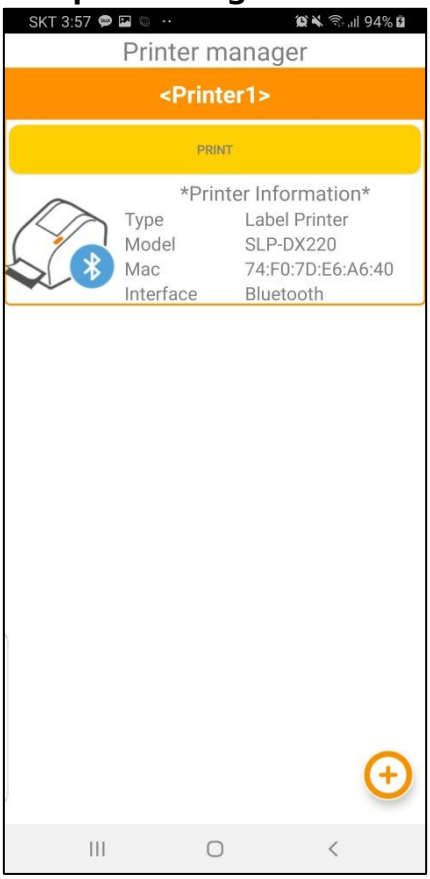
Logical Name only support number and english
The Logical Name is used as the Printer Name when printing.







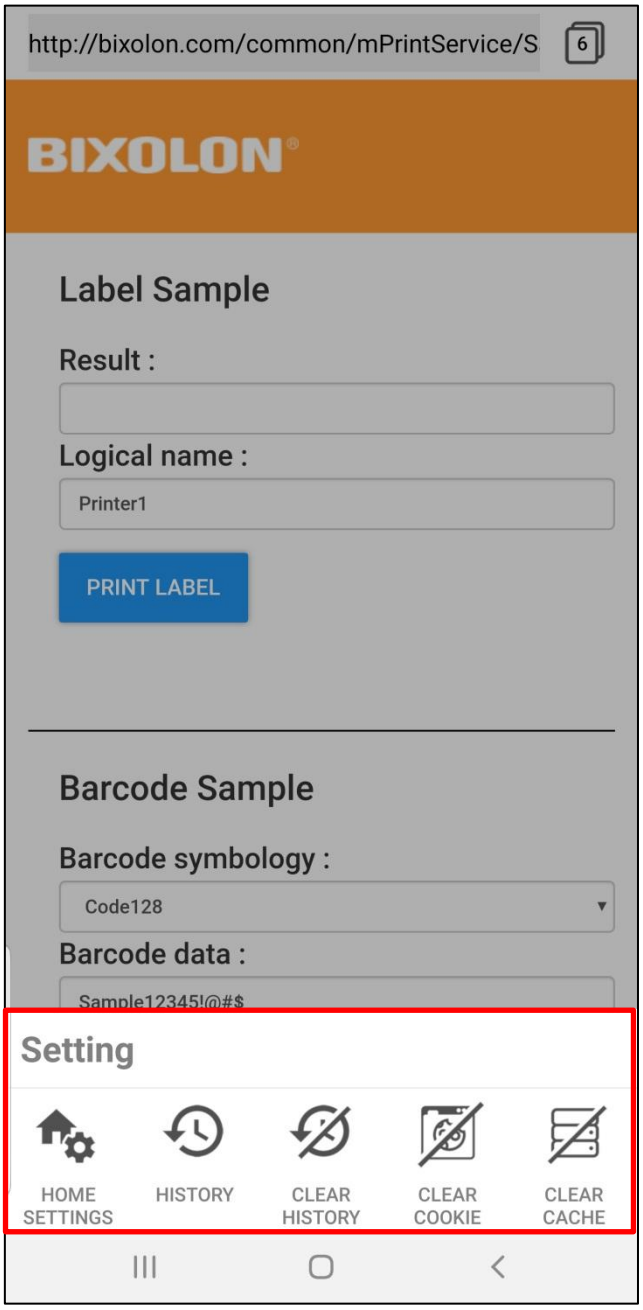
< A view after printer registration is finished >



3-1-2 Browser Setting

Below functions are provided in Browser Setting Function.

- **Home : Start Page Setting**
- **Visit History**
- **Visit History Delete**
- **Cookie Delete**
- **Cache Delete**



3-1-3 Web Server Setting

Below functions are provided in Web Server Setting Function

- **Check duplicated request**

  * If a web application requests duplicated data, it can be checked by the Web Print SDK. The default value is 'Uncheck duplicated request'

- **Log**

  * You can record the log of Web Print SDK. The default value is 'disabled'.

  Refer to 4-1 'log file check method' to know that the path the logs are saved.

- **Set the listener port**

  * You can set the listener port of the Web Print SDK. Listener port is the port number on which the Web Print SDK handles data requests of the web application. The default value is 18080.

- **Run background service**

  * Run the Background service. Even if you close the app, it runs in the background, You can exit from the Settings-Applications menu.

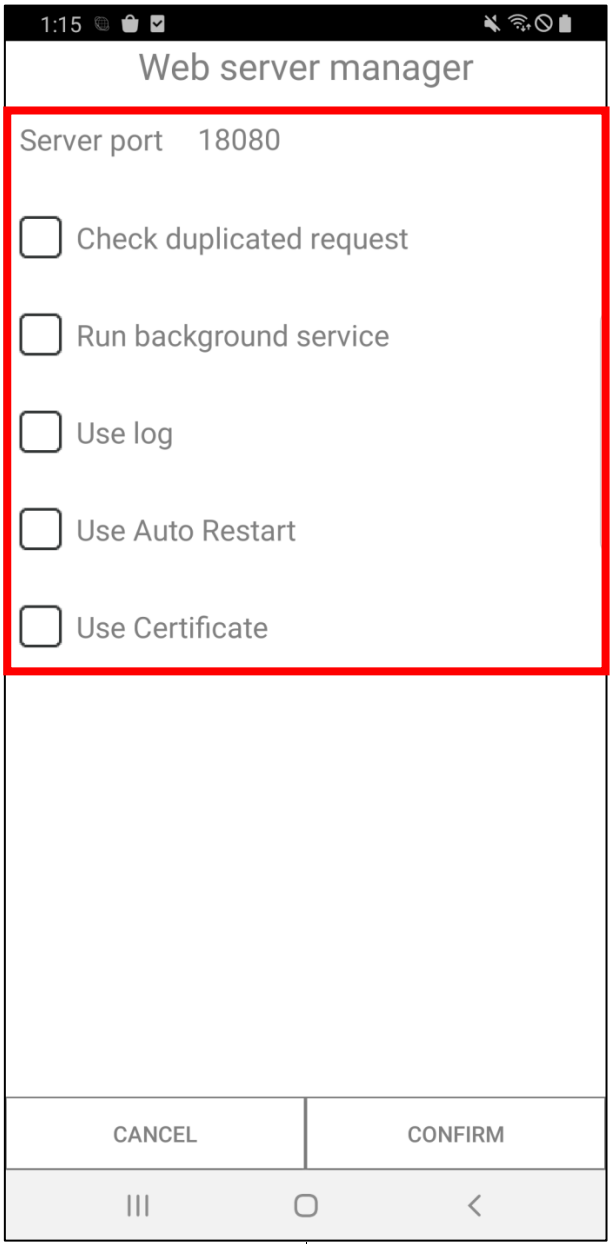
- **Use Auto Restart**

  * Web Print SDK may activate automatically when the host machine is rebooted. It is disabled by default.

- **Use Certificate**

  * Secure Socket Layer (SSL) will be used. By activating this feature, it will require installation of a certificate for the first time. If you do not agree to the installation of the certificate, this feature will be automatically disabled.

If certificate is used, HTTPS/WSS request is required.
If no certificate is used, HTTPS/WS request is required.



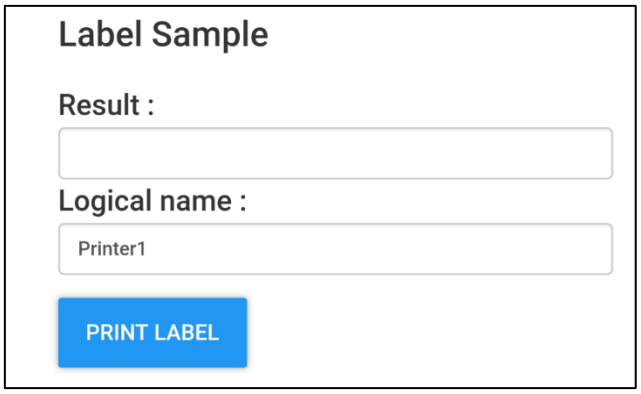
3-2 launch screen



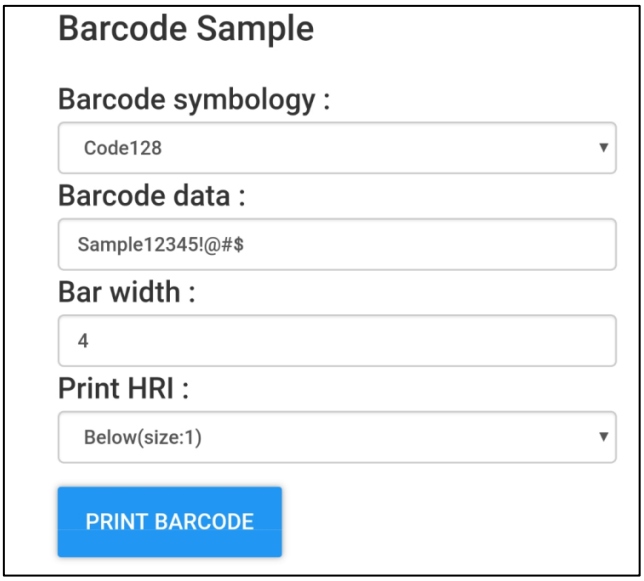
- You can move to each sample page by using the combo box at the bottom. Logical name is the name you entered when registering the printer.
- You can select the connection request protocol using the combo box at the bottom of each page.
  - Without SSL certificate : HTTP, WS
  - Using an SSL certificate : HTTPS, WSS

3-2-1 Label Sample Page

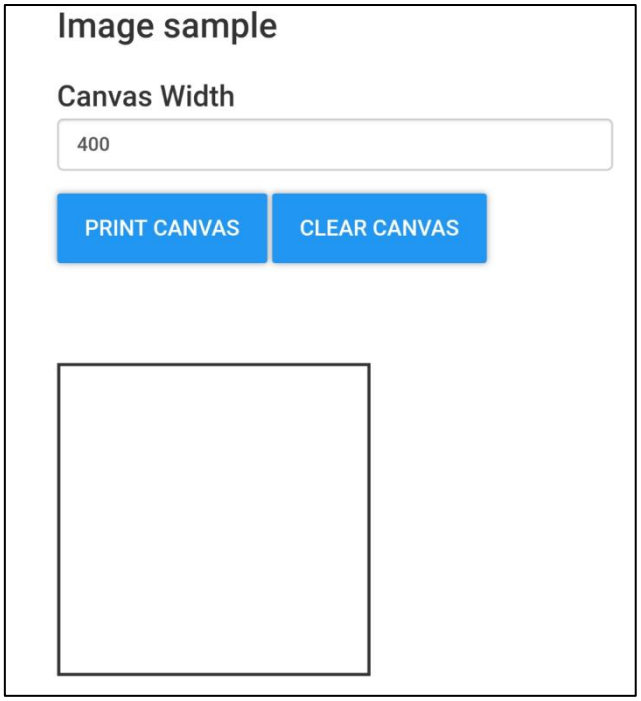
1. Label Sample
   1) Result
      - View print results
   2) Logical name
      - Printer name to print
   3) PRINT LABEL
      - Print sample label



2. Barcode Sample
   1) Barcode symbology
      - Select barcode type
   2) Barcode data
      - Input barcode data
   3) Bar width
      - Input bar width
   4) PRINT BARCODE
      - Print barcode

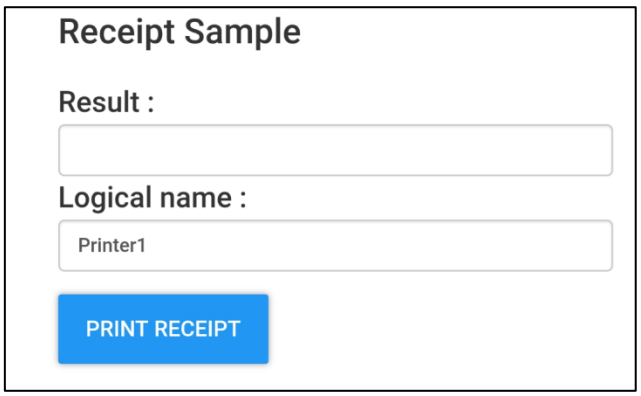


3. Image Sample
   1) Canvas Width
      - Input image width
   2) PRINT CANVAS
      - Print image
   3) CLEAR CANVAS
      - Initialize canvas

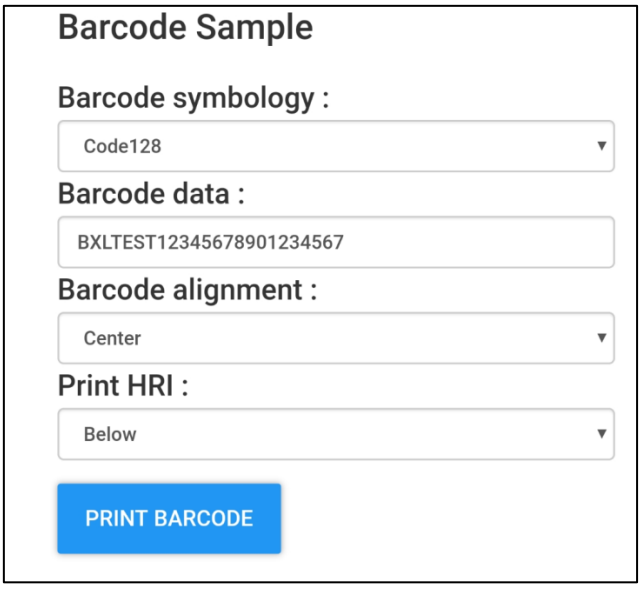


3-2-2 Pos Sample Page

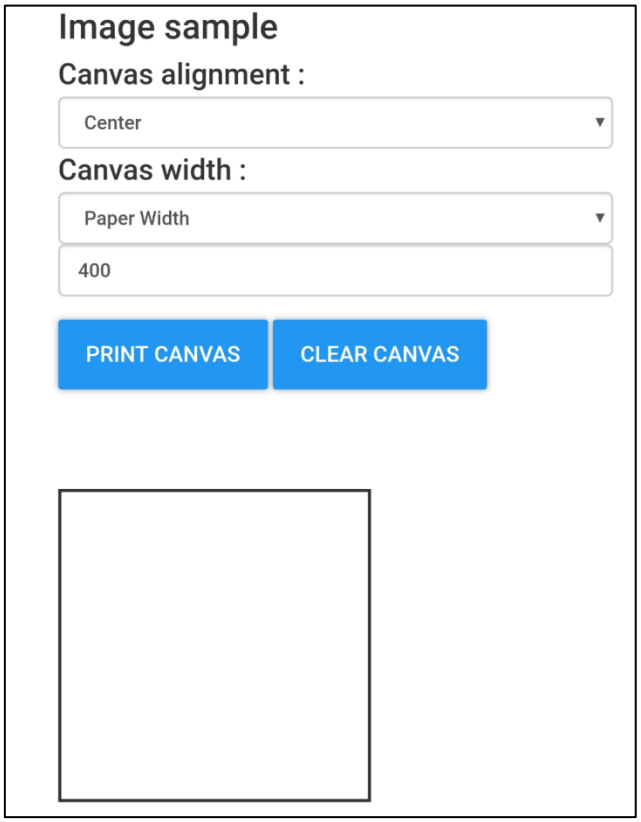
1. Receipt Sample
   1) Result
      - View print results
   2) Logical name
      - Printer name to print
   3) PRINT Receipt
      - Print sample receipt



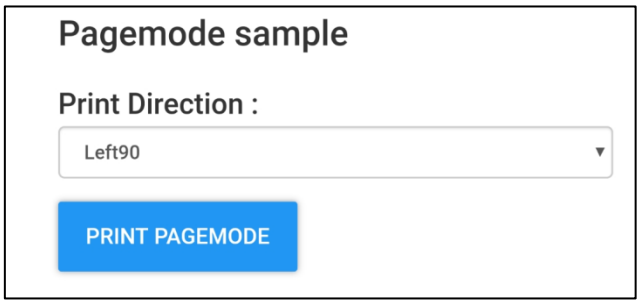
2. Barcode Sample
   1) Barcode symbology
      - Select barcode type
   2) Barcode data
      - Input barcode data
   3) Bar alignment
      - Select barcode alignment
   4) PRINT BARCODE
      - Print barcode



3. Image Sample
   1) Canvas Width
      - Paper Width: Input image width
      - Origin size: Original size
   2) PRINT CANVAS
      - Print image
   3) CLEAR CANVAS
      - Initialize canvas

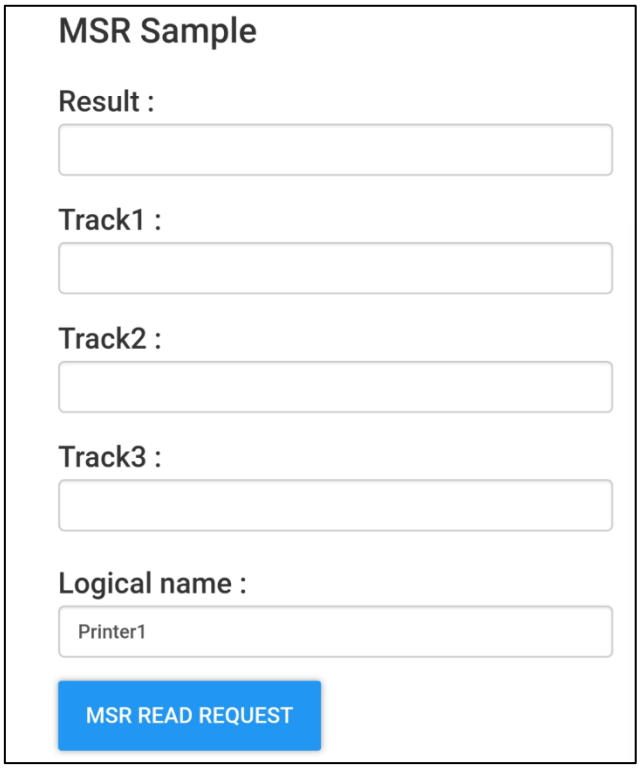


4. Pagemode Sample
   1) Print Direction
      - Selelct print direction
   2) PRINT PAGEMODE
      - Print pagemode



3-2-3 MSR Sample Page

1. MSR Sample
   1) Result
      - View read result
   2) Track1
      - Track1 data
   3) Track2
      - Track2 data
   4) Track3
      - Track3 data
   5) Logical name
      - Printer name to read MSR
   6) MSR READ REQUEST
      - Request read MSR



4. Appendix

4-1 Log file check method

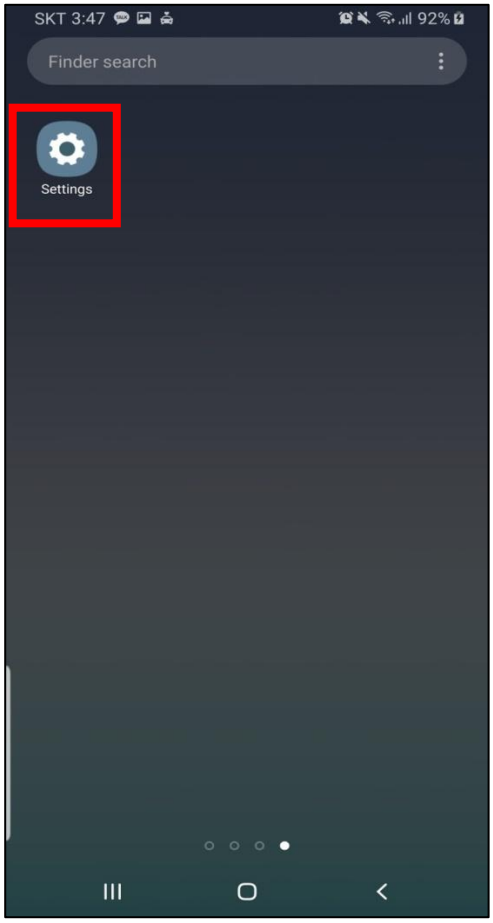
The description below is based on Android 9.0.

1) Execute exploler.
2) Select Android/data/com.bixolon.mprintserver/files folder in External storage.
3) Select WebPrintSDK.log

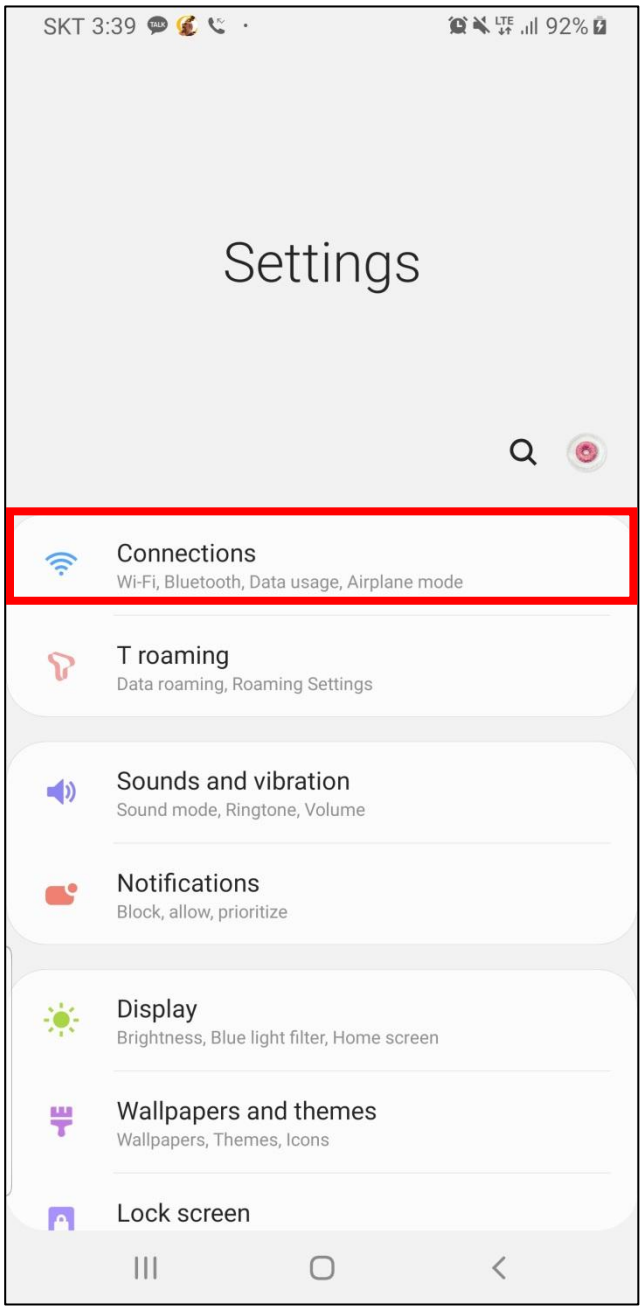
4-2 Bluetooth Printer Connection

• Bluetooth connection is available with paired host device
Bluetooth paring method is as below.

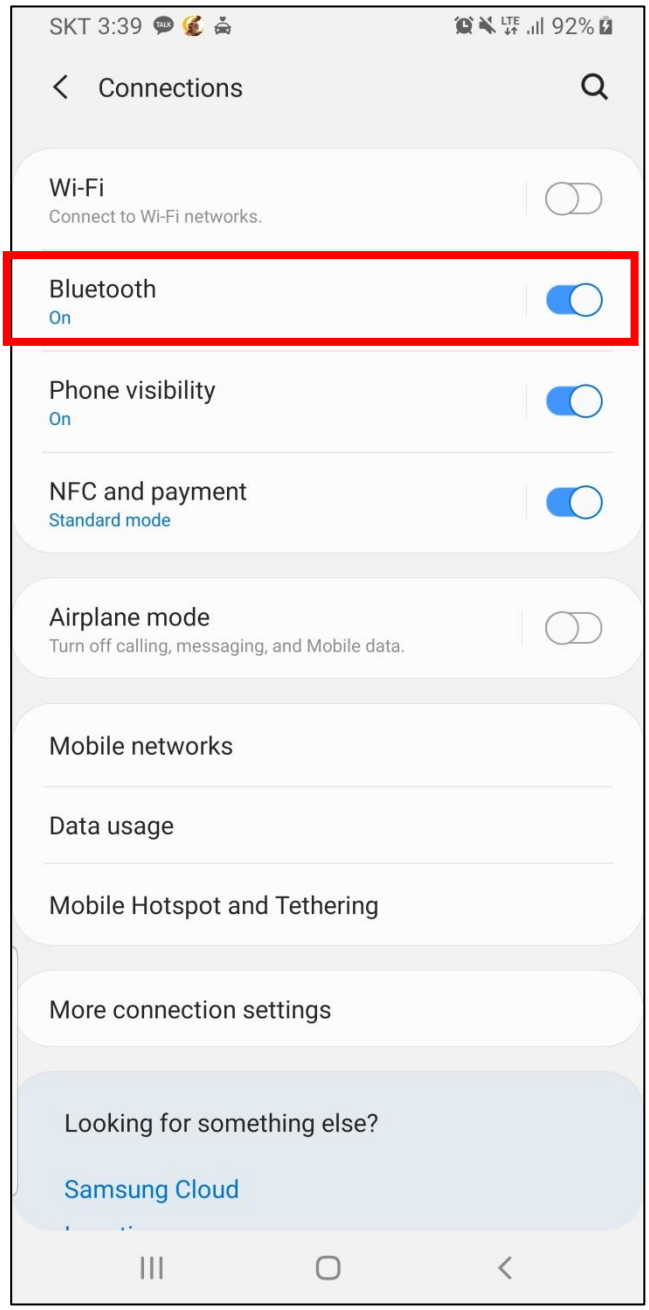
1) Select setting



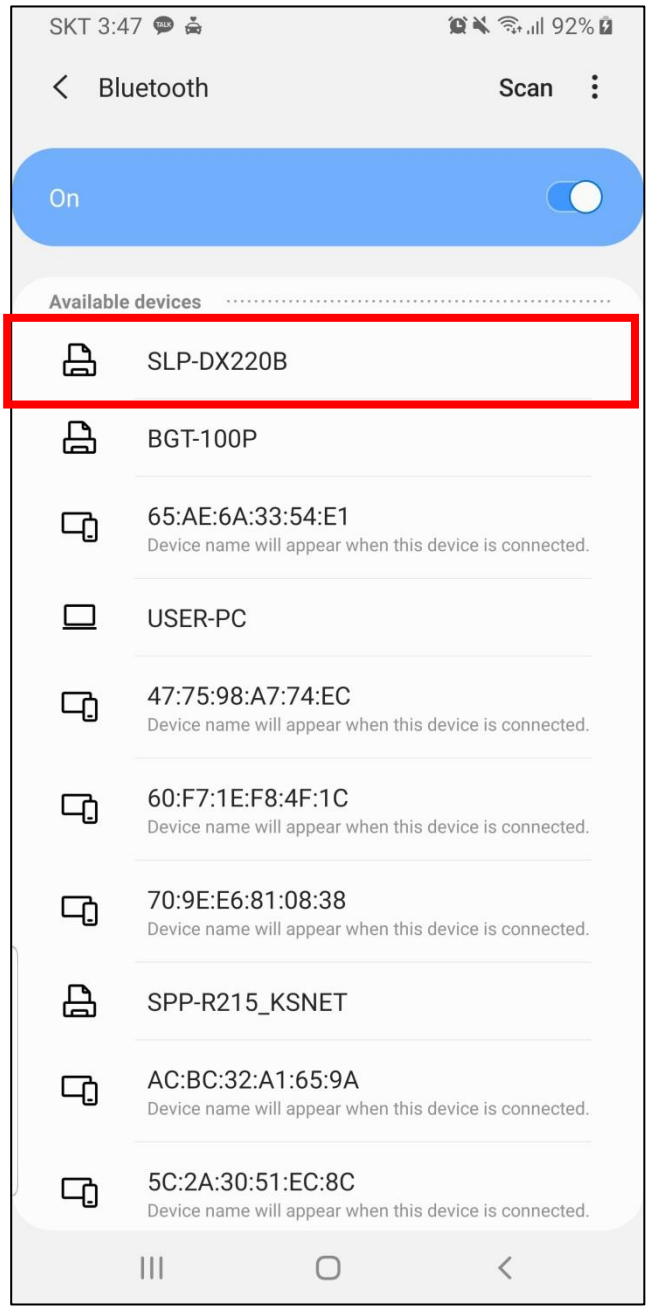
2) Select connection



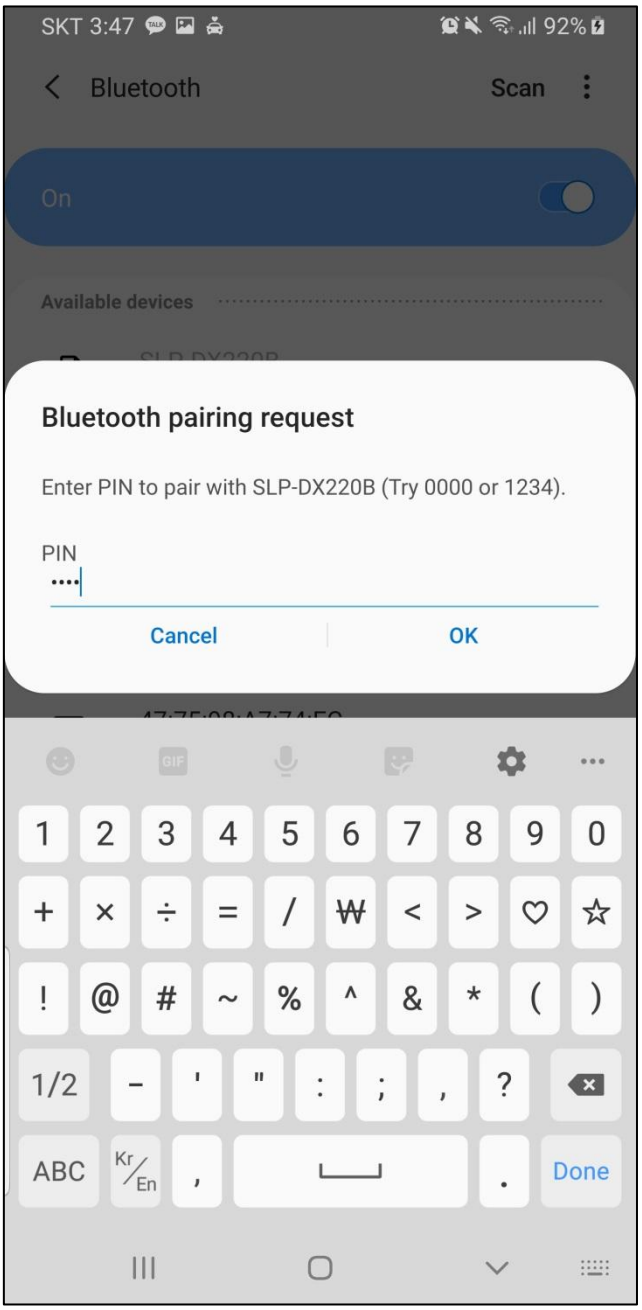
3) Seleect bluetooth



4) Select the printer

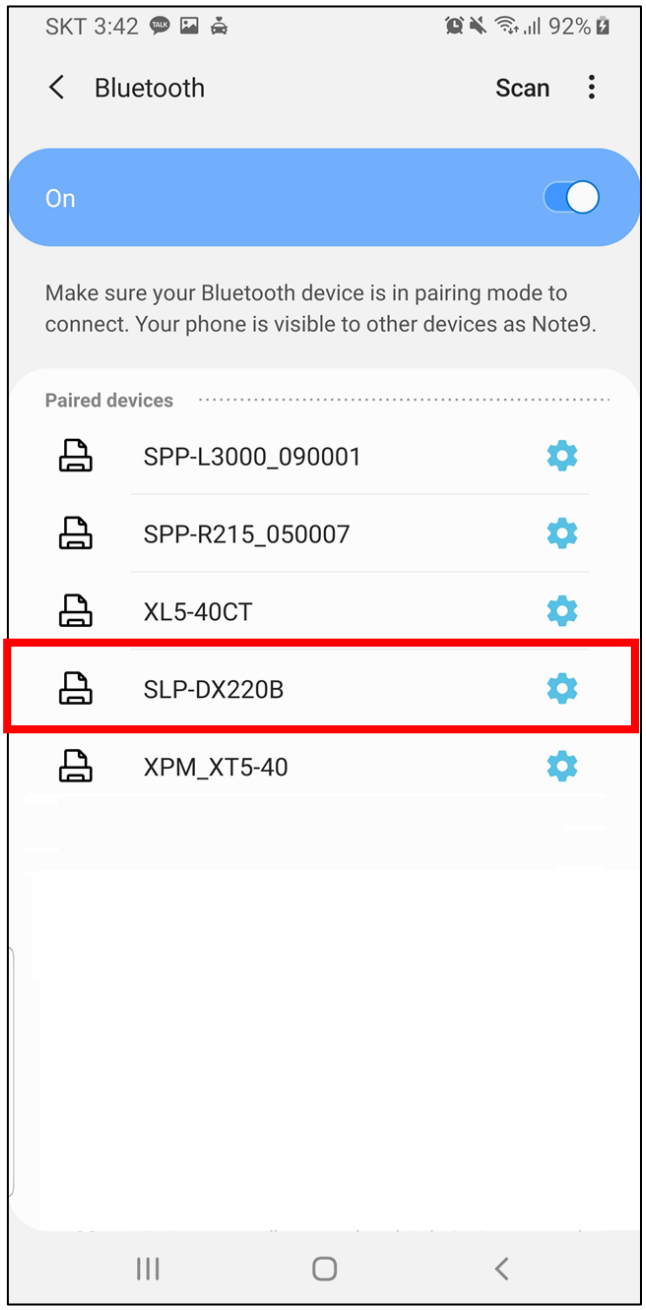


5) Input pin number



Default pin number: **0000**

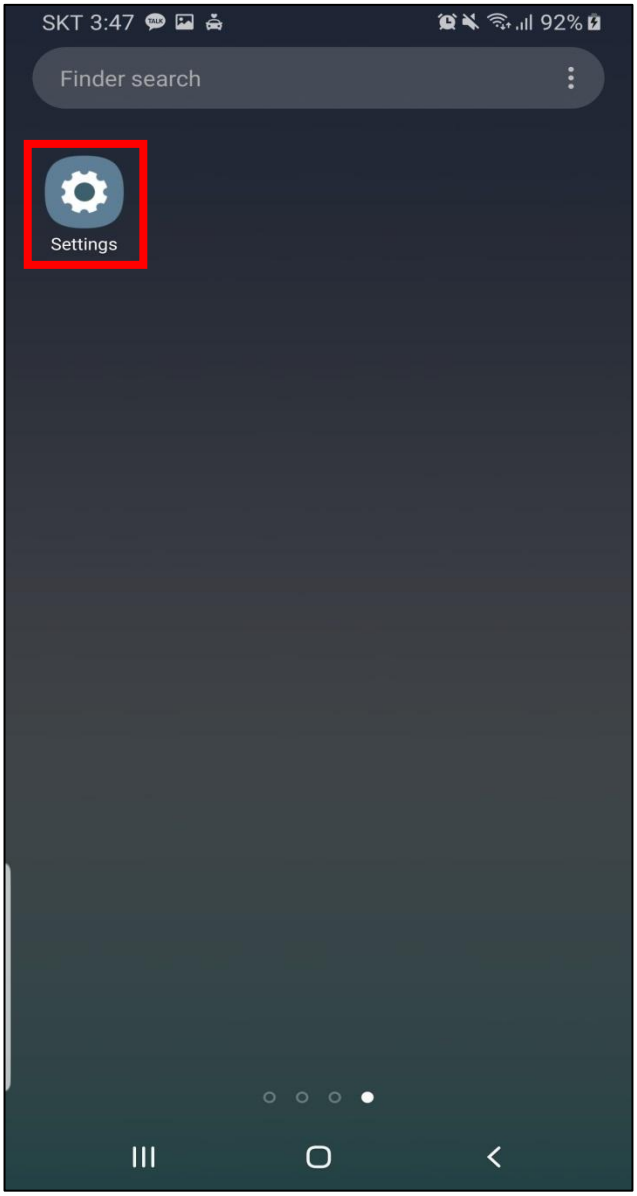
6) Complete


SKT 3:42
92%
Bluetooth
Scan
On
Make sure your Bluetooth device is in pairing mode to connect. Your phone is visible to other devices as Note9.
Paired devices
SPP-L3000_090001
SPP-R215_050007
XL5-40CT
SLP-DX220B
XPM_XT5-40

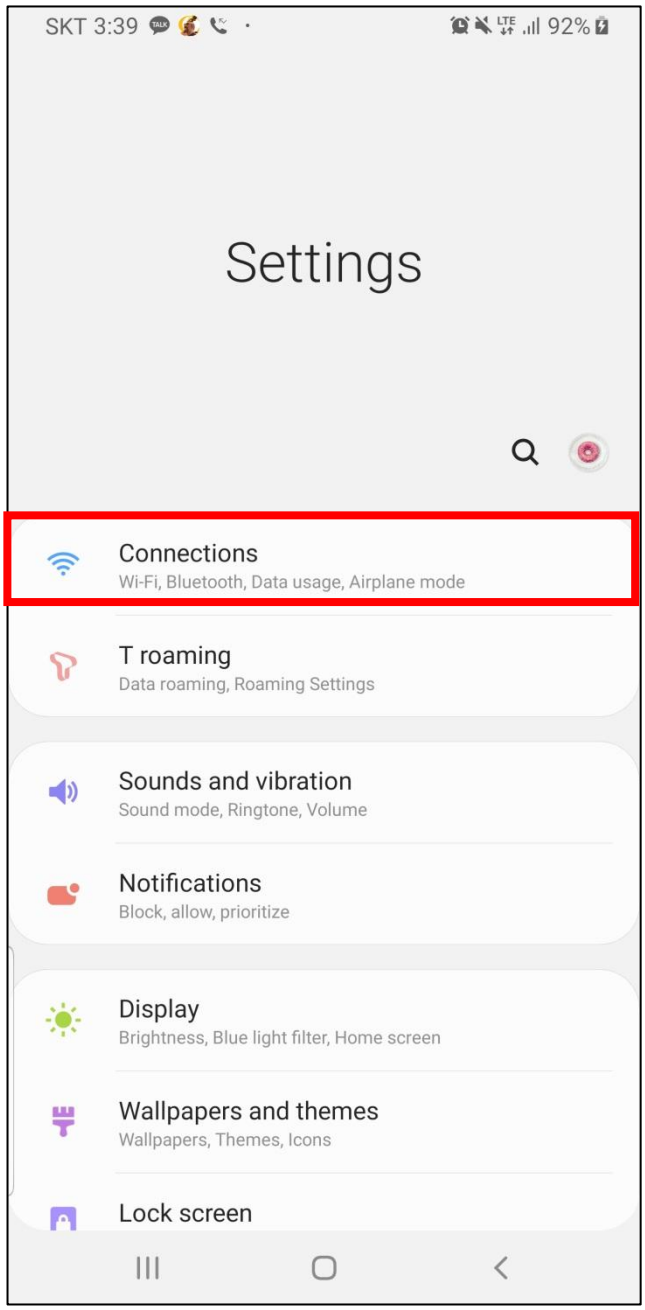
4-3 WiFi/Ethernet Printer Connection

• If printer is connected through wireless LAN/Ethernet networks, the printer and host device must share a same AP.

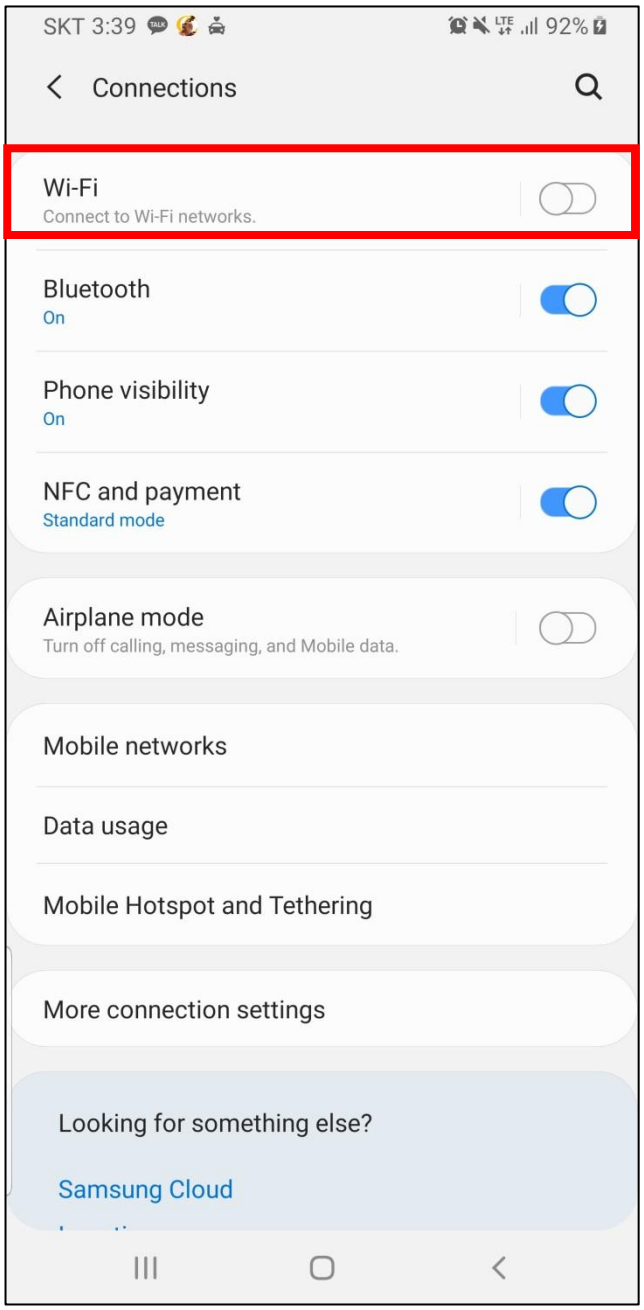
1) Select setting



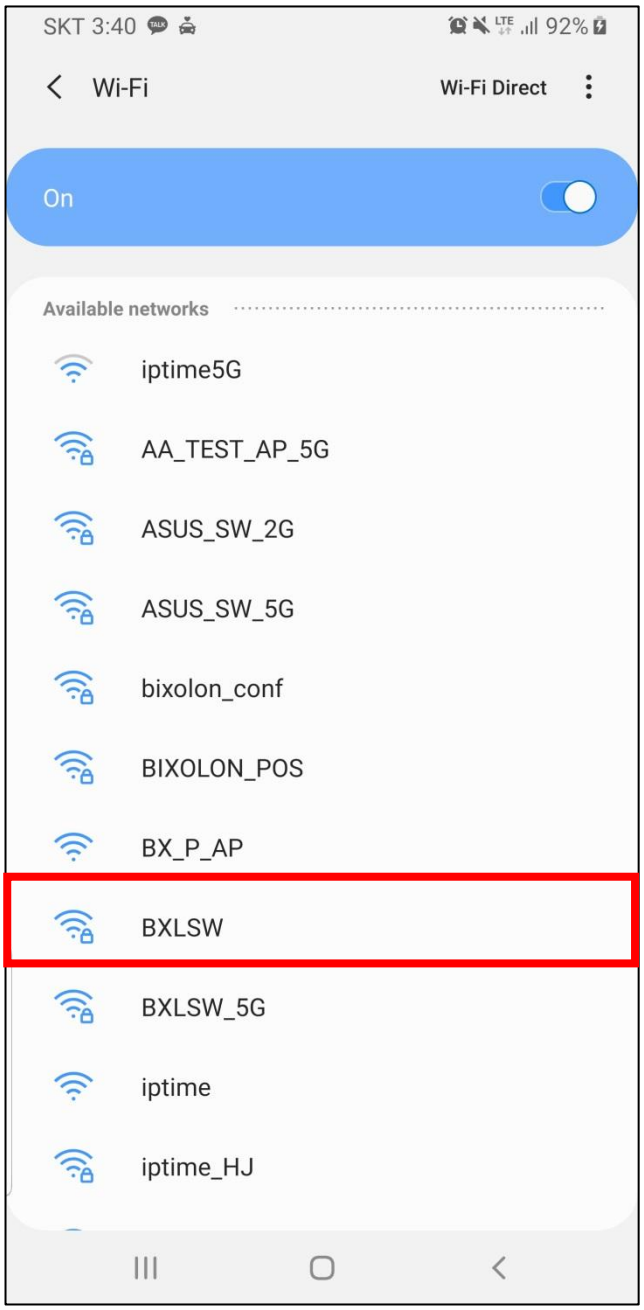
2) Select connection



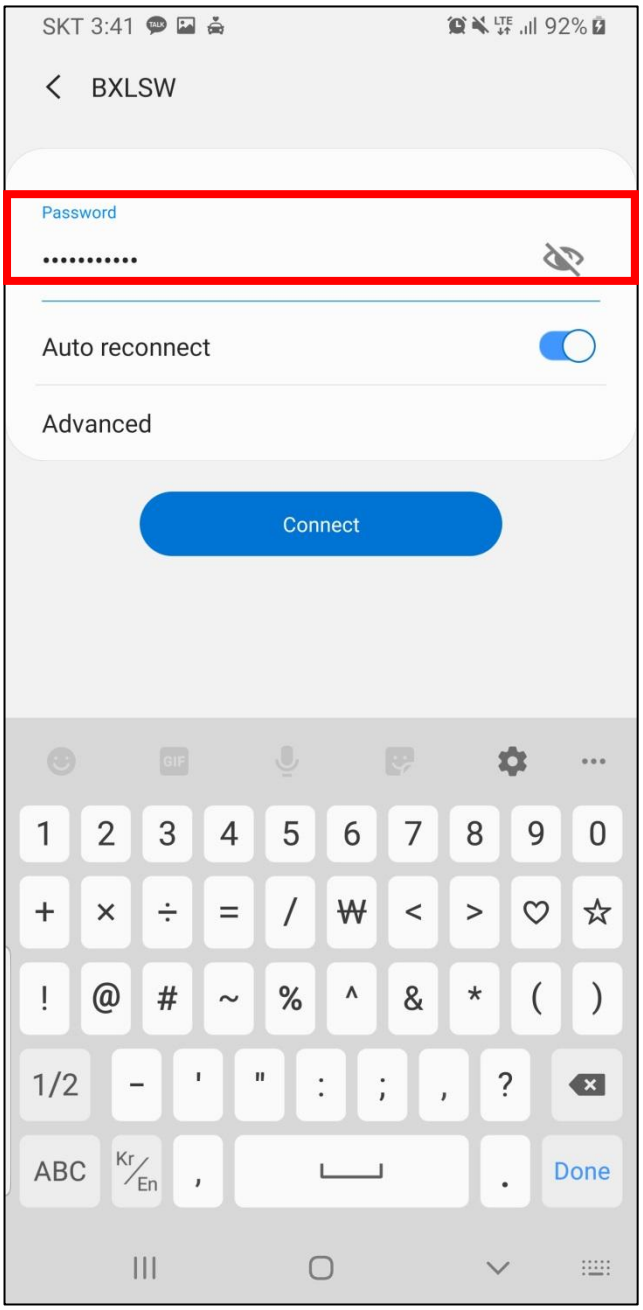
3) Select Wi-Fi



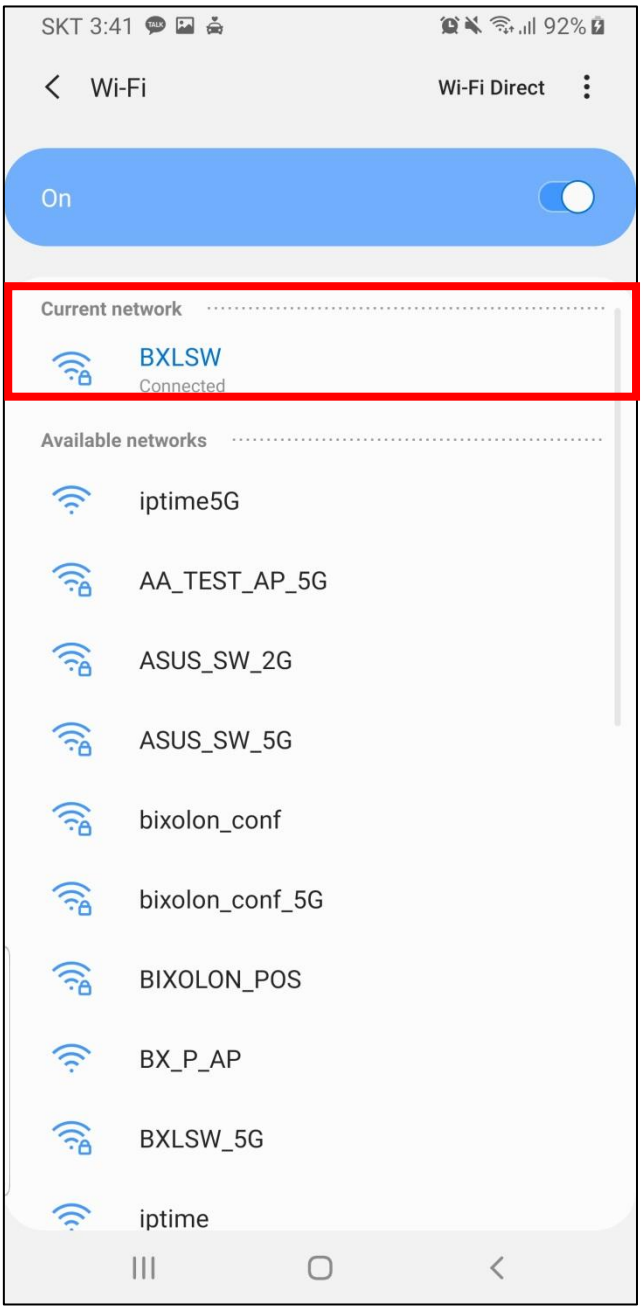
4) Select AP for connection



5) Input password



6) Complete



< For the configuration of the printer network, refer to the network user manual which you can download at "www.bixolon.com". >

Revision history

Ver.	Date	Description
1.00	05-12-2019	New
1.01	14-10-2020	SRP-S3000, SRP-S3000_LABEL Add supported models
1.02	11-11-2020	Add supported models(POS/Mobile/Label) - POS Printer : SRP-330II, SRP-Q200, SRP-QE300, STP-103III - Mobile Receipt Printer : SPP-R210, SPP-R220 - Mobile Label Printer : SPP-L310, SPP-L410 - Label Printer : XQ-840, XD3-40d, XD3-40t, SRP-E770III
1.03	28-01-2021	Add supported model(POS) : SRP-B300
1.04	04-04-2021	Add supported model(POS) : SRP-S200 App name changed(mPrintServer -> WebPrintSDK) Support Secure Socket Layer(SSL)
1.05	13-08-2021	Add supported model(Label) : XT3-40/43, XM7-40(RFID)
1.06	03-11-2021	Add supported model(Mobile) : SPP-C200 Added sample page connection protocol selection guide
1.07	22-03-2022	Add supported model(Mobile) : SPP-C300
1.08	10-06-2022	Add supported model : SRP-350V / SRP-352V : SRP-350plusV / SRP-352plusV : SRP-330III / SRP-332III : XM7-30
1.09	14-09-2022	Add supported model : SRP-380II / SRP-382II
1.10	24-10-2023	Add supported model : SRP-Q300II
1.11	29-01-2024	Add supported model : XQ-840II / XQ-843II
1.12	24-05-2024	Add supported model : SRP-S300II
1.13	07-10-2024	Add supported model : XD5-40IId, XD5-43IId, XD5-40IIt, XD5-43IIt
1.14	26-12-2024	SRP-380II, SRP-382II model name updated to SRP-380plus, SRP-382plus respectively Add supported model(Kiosk)

		: BK-3-3, BK3-2, BK5-3
1.15	07-03-2025	Add supported model : XT6-60, XT6-63, XM5-30
1.16	25-03-2025	Add supported model : SRP-G300, BK5-4
1.17	23-04-2025	Add supported model : BT3-40, BT3-43, BT5-40, BT5-43, BT5-46, BD5-40d, BD5-40t, BD5-43d, BD5-43t, SRP-B300II
1.18	11-08-2025	Add supported model : XD7-20d, XD7-23d
1.19	16-09-2025	Add supported model : XT6-40, XT6-43, XT6-46
1.20	29-12-2025	Add supported model : SPP-300
1.21	12-02-2026	Add supported model : SPP-R230