BIXOLON

Software Manual

Web Print SDK

iOS

Ver. 1.26

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”.

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

• iOS 15.0 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-Q300 / SRP-Q300II / SRP-Q302
SRP-380 / SRP-382 / SRP-383
SRP-380plus / SRP-382plus
SRP-F310II / SRP-F312II / SRP-F313II
SRP-350plusIII / SRP-352plusIII
SRP-275III
SRP-S320
SRP-S3000
SRP-B300
SRP-B300IIE
SRP-S200
SRP-350V / SRP-352V
SRP-350plusV / SRP-352plusV
SRP-330III / SRP-332III
G30

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
XD3-40d
XD3-40t
SRP-770III / SRP-E770III
SLP-D420 / SLP-D423
SLP-D220 / SLP-D223
SLP-T400 / SLP-T403
XT3-40 / XT3-43
BT3-40 / BT3-43
BT5-40(RFID) / BT5-43(RFID) / BT5-46(RFID)
BD5-40d / BD5-43d
BD5-40t(RFID) / BD5-43t(RFID)
XT6-60N / XT6-63N
XT6-40(RFID) / XT6-43(RFID) / XT6-46(RFID)
XC3-40d
XC5-40d / XC5-43d

2-4-3 Mobile Receipt Printer

SPP-R200III
SPP-R230
SPP-R310
SPP-R410
SPP-C200
SPP-C300

2-4-4 Mobile Label Printer

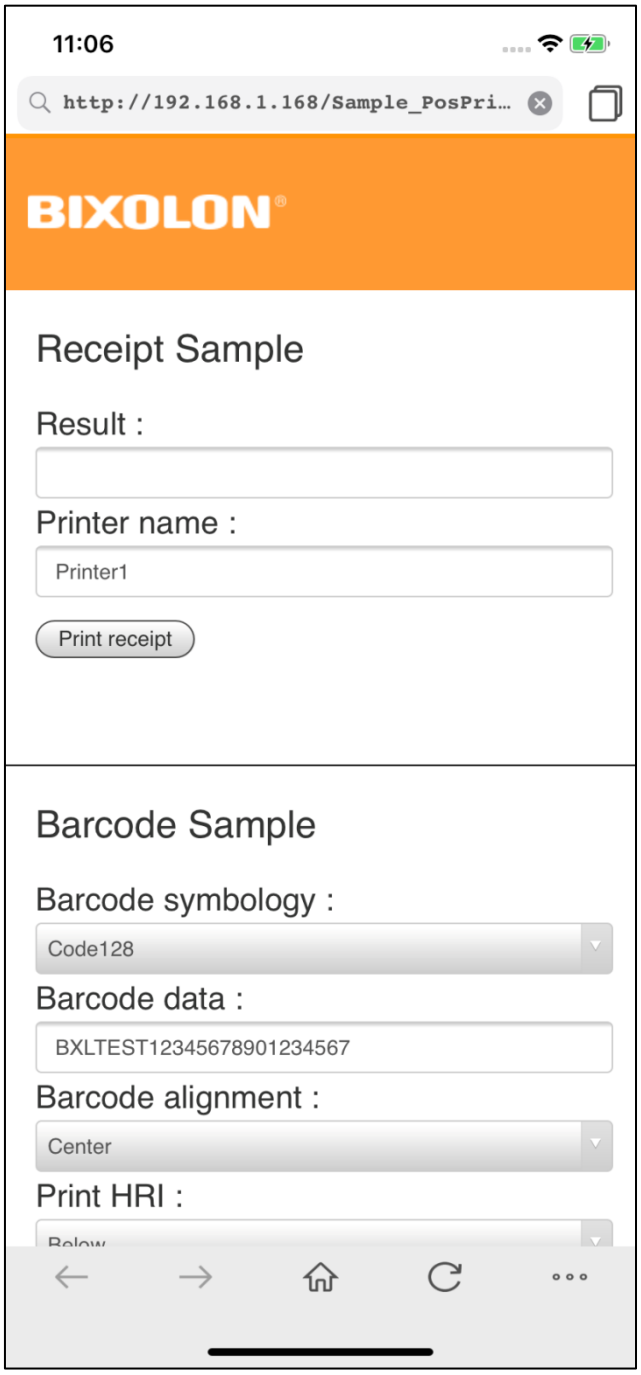
SPP-L3000
XM7-20
XM7-30
XM7-40(RFID)
XM5-30(RFID)
SPP-L310 / SPP-L410

2-4-5 B-gate

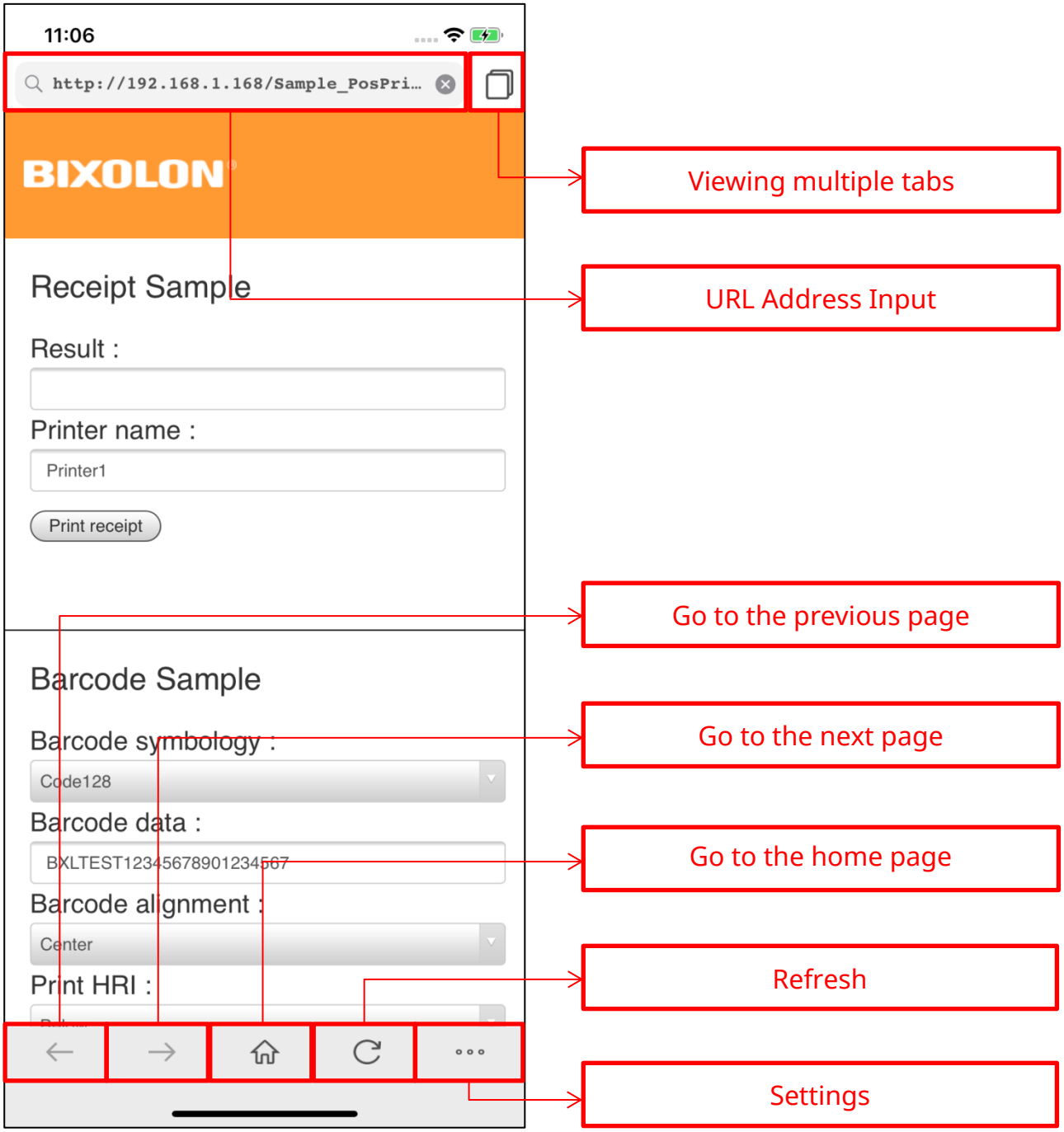
BGT-100P / BGT-102P
SRP-Q300H / SRP-Q302H
SRP-S300H
SRP-F310IIH / SRP-F312IIH
SRP-S320Hi

3. Useful Function

3-1 launch screen



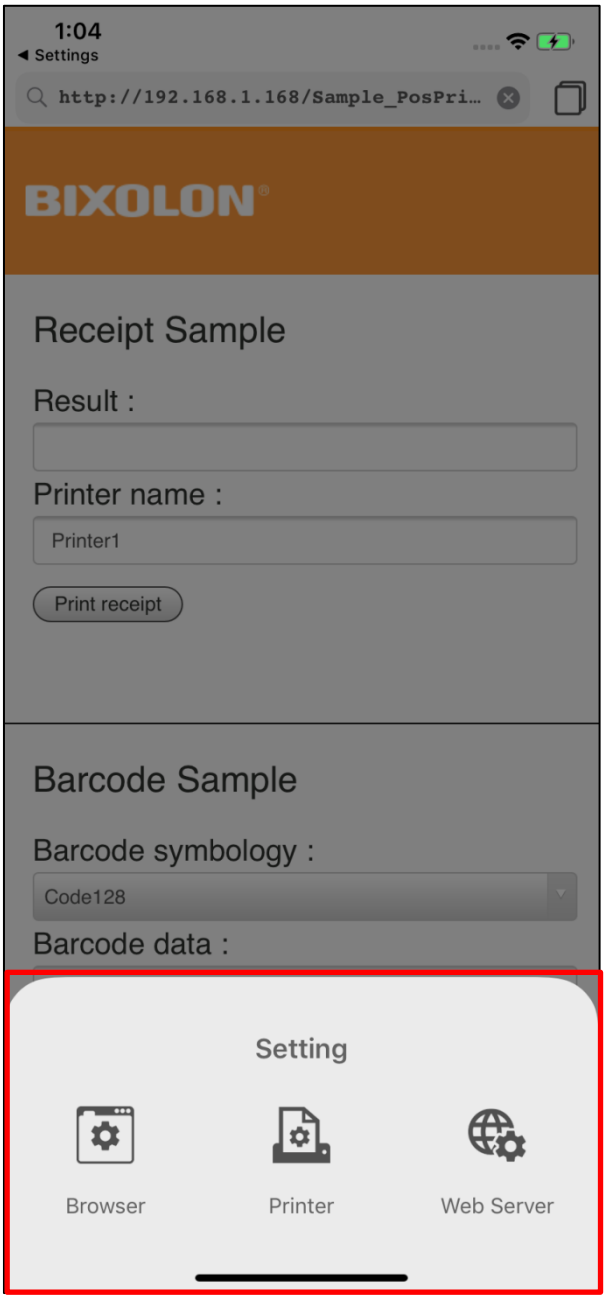
< launch screen description >



3-2 Setting

• Below functions are provided in Setting Function.

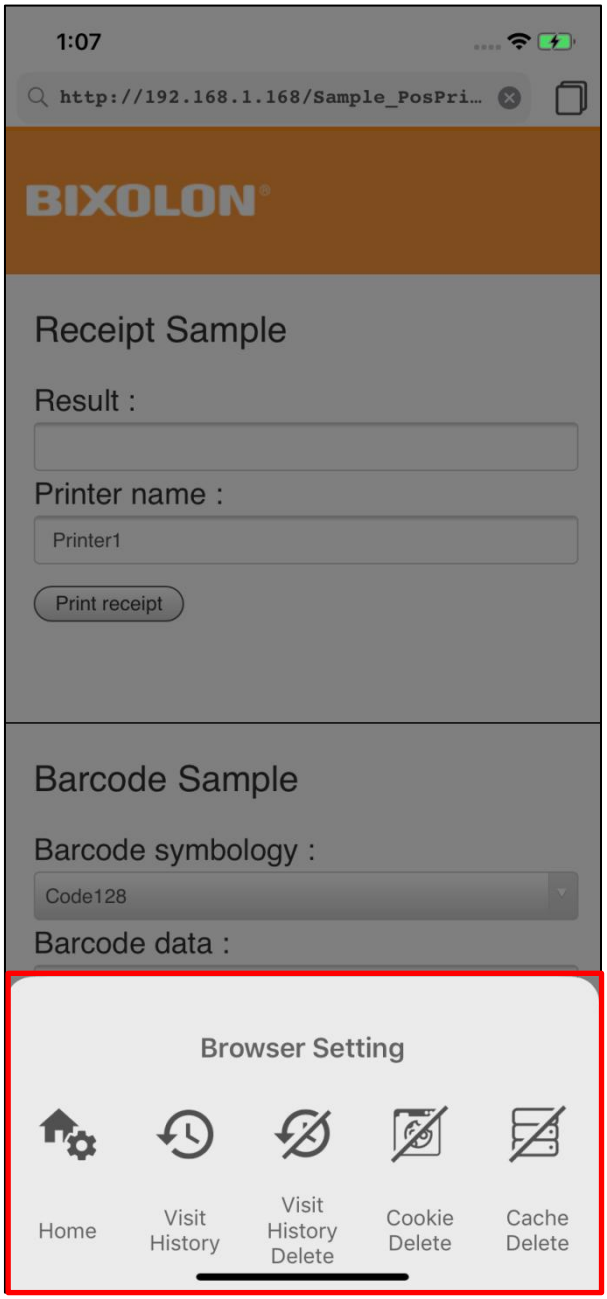
- **Browser**
- **Printer**
- **Web Server**



3-2-1 Browser Setting

Below functions are provided in Browser Setting Function.

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

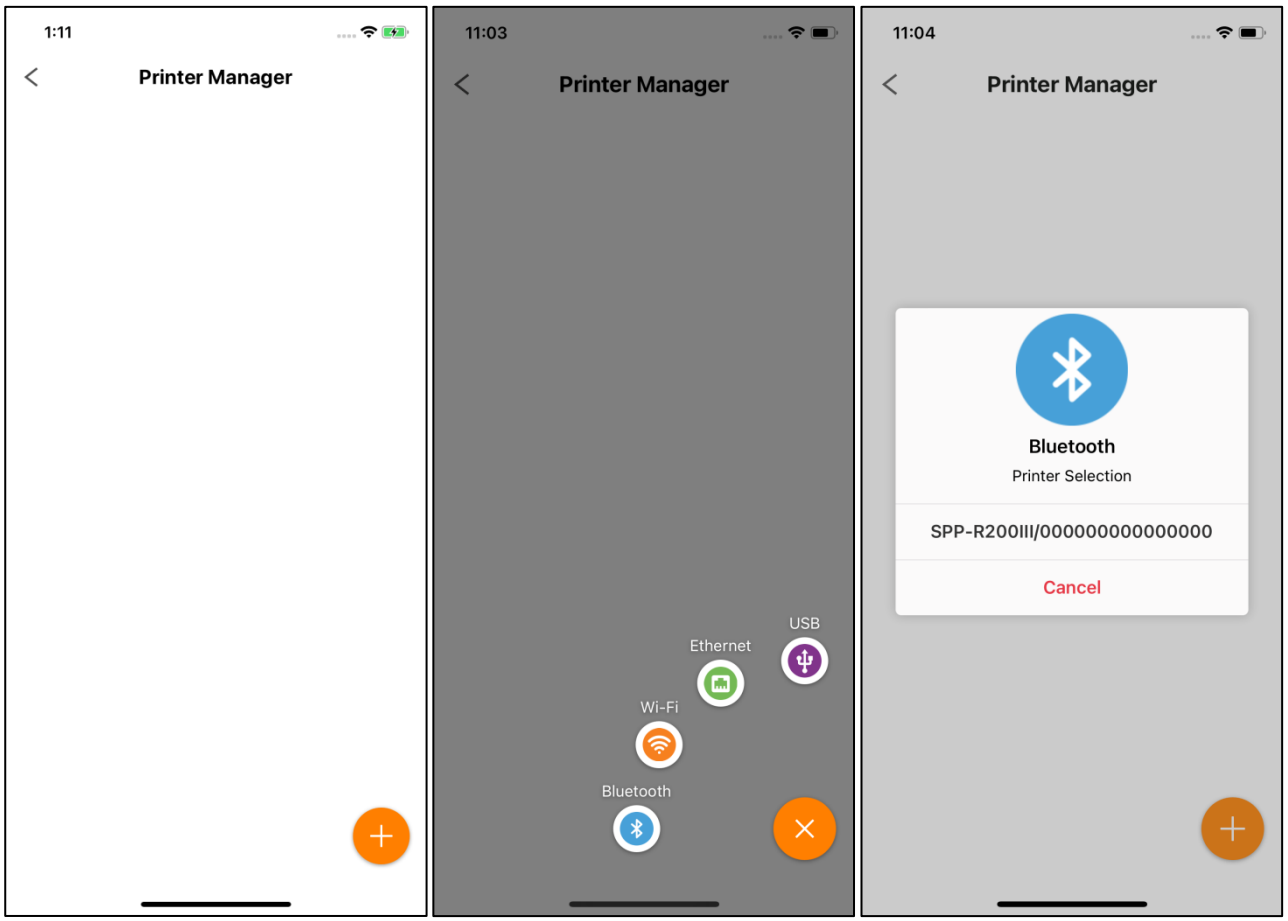


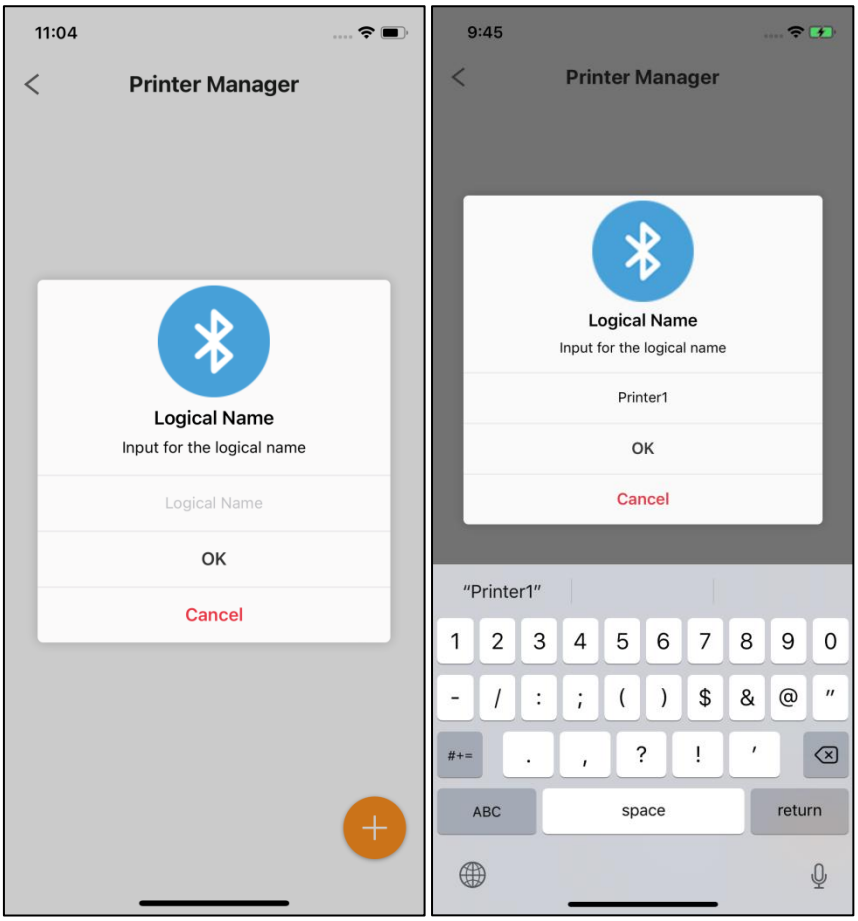
3-2-2 Printer Setting

Printer can be registered through Printer Setting. Follow below procedure

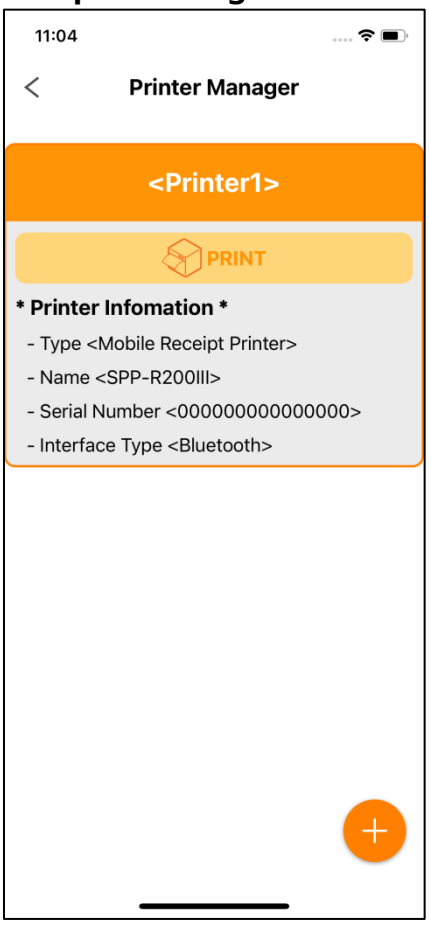
1) Click + button located in right bottom of the screen
2) Select Interface
   * Bluetooth / Wi-Fi / Ethernet / USB *
3) Available printer list is Popped up
   * If there are no printers which you want to connect in the list,
   refer to the 4-2 and 4-3 in this manual.
4) Select printer in the printer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

- A model that supports USB connection: SRP-Q300II
- Only alphabets and numbers are allowed for the logical name.





< A view after printer registration is finished >



3-2-3 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.

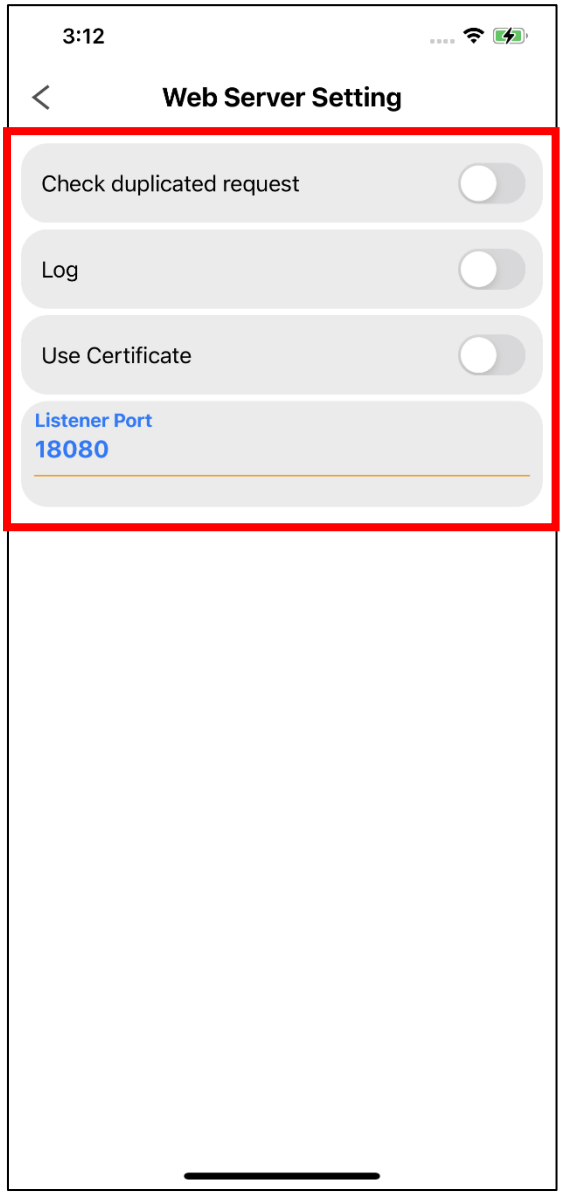
- **Use Certificate**

* Secure Socket Layer (SSL) is used. With this enabled, it requires one-time installation of the certificate. If you do not accept to install it, it is automatically disabled.

If the certificate is used, HTTPS / WSS request should be used.
If the certificate is not used, HTTP / WS request should be used instead.

- **Set the listening 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. *

Please restart Web Print SDK after changing Port.
If you do not restart the Web Print SDK, the changed port may not be applied.



4. Appendix

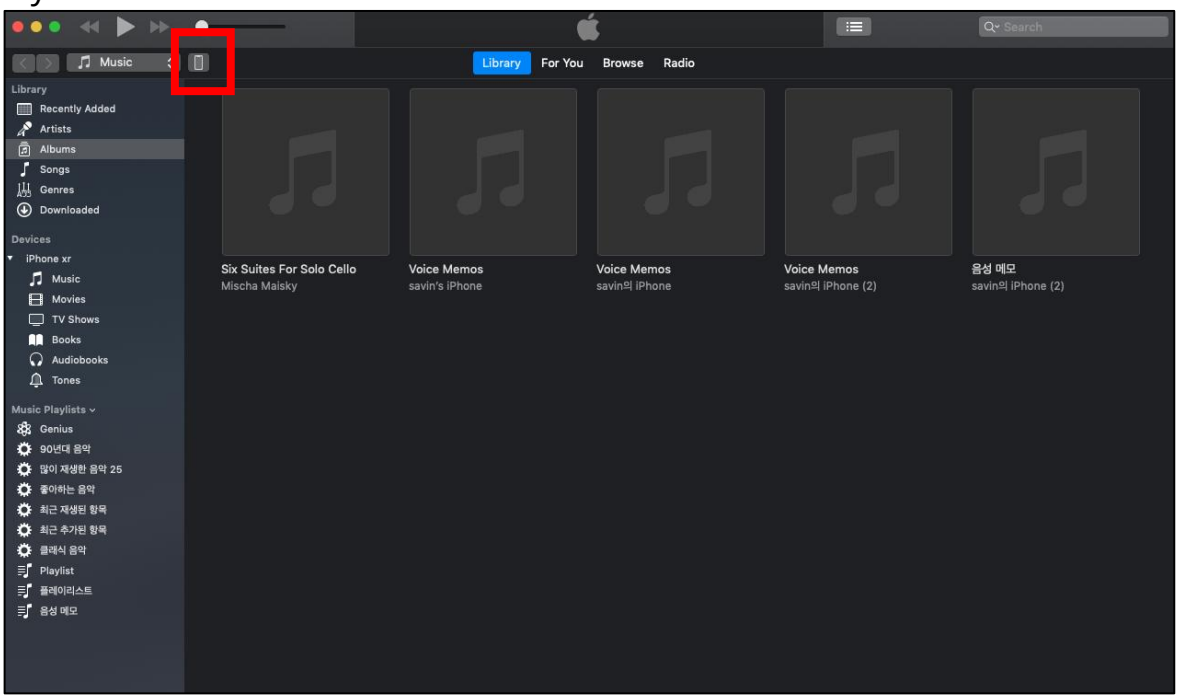
4-1 Log file check method

The description below is based on Max OS X 10.14 (Mojave).

1) Connect the Host device(iPhone/iPad) to the PC via USB

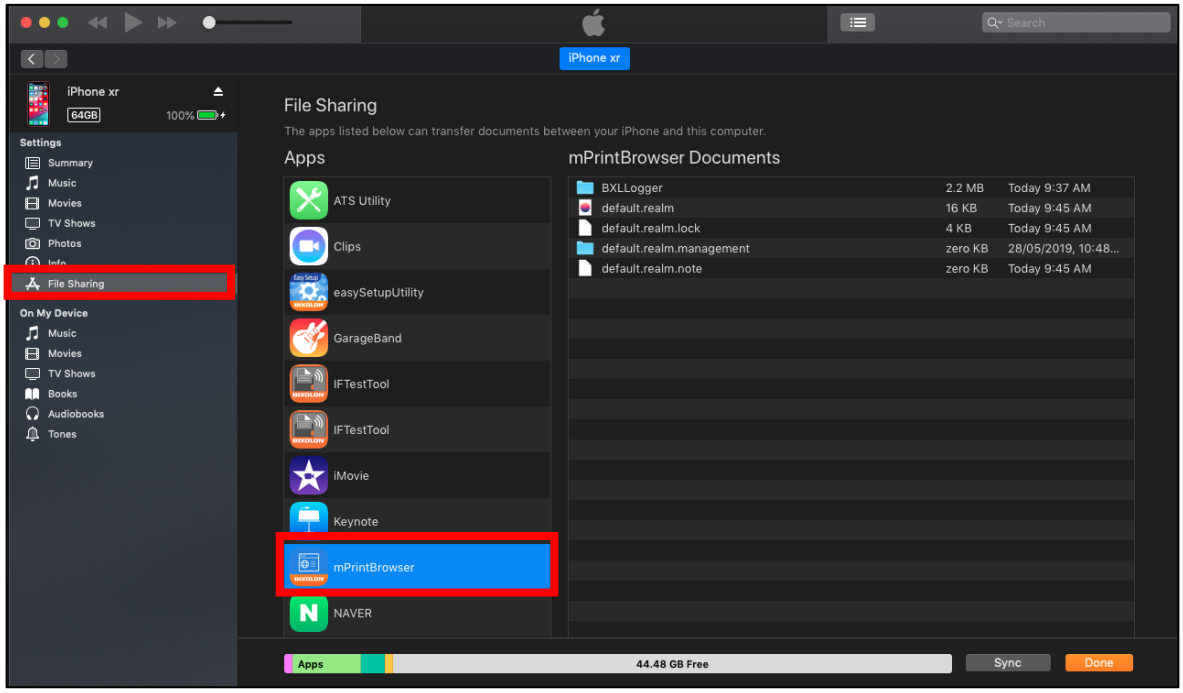
2) Run iTunes

3) My Device

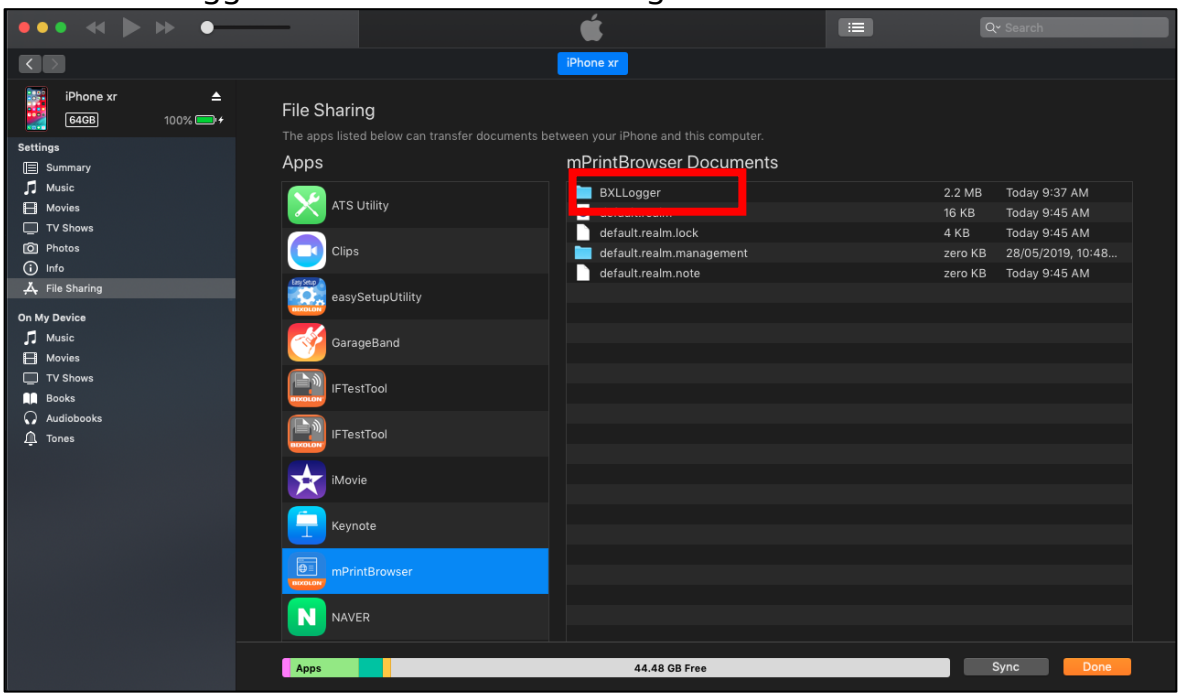


4) Click ‘File Sharing’

5) Select the Web Print SDK application.



6) Check ‘BXLLogger’ folder which includes log files.

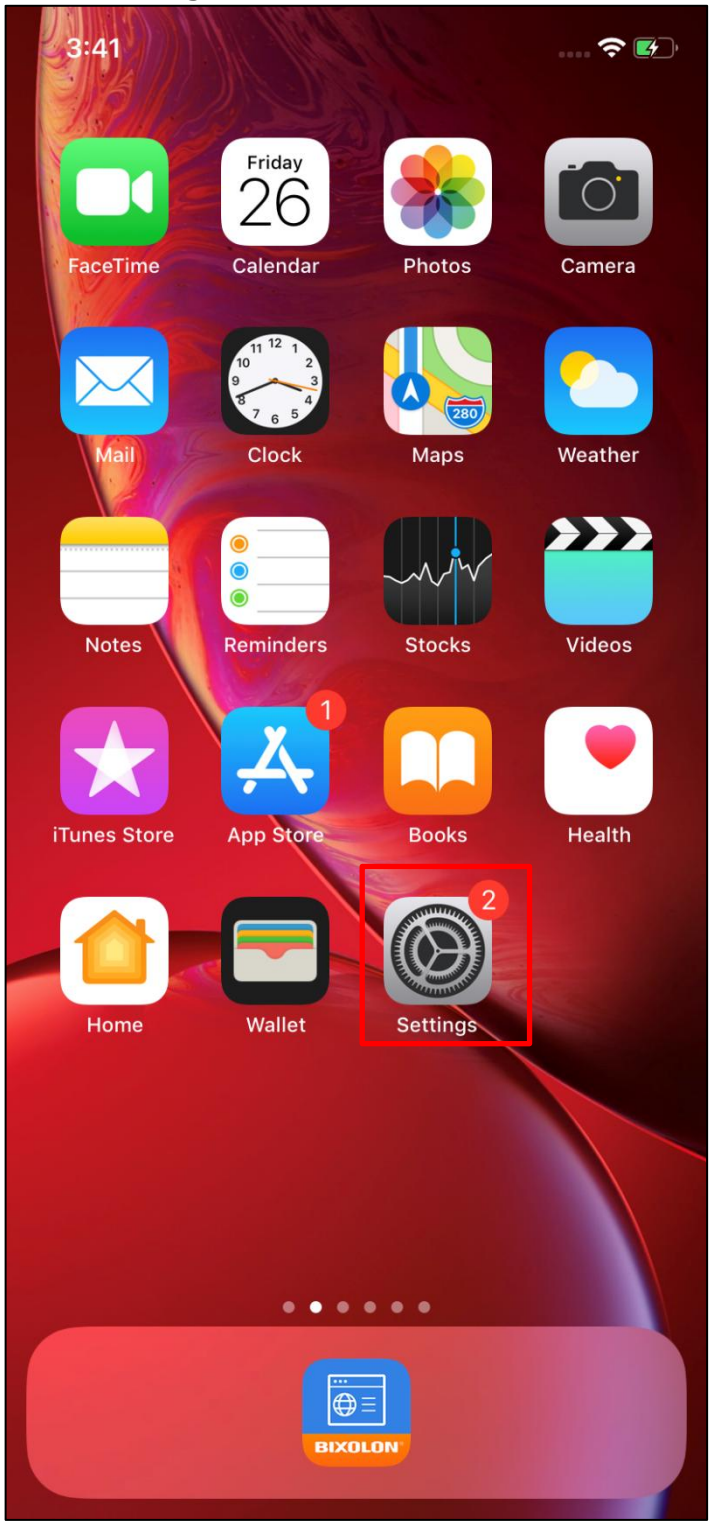


4-2 Bluetooth Printer Connection

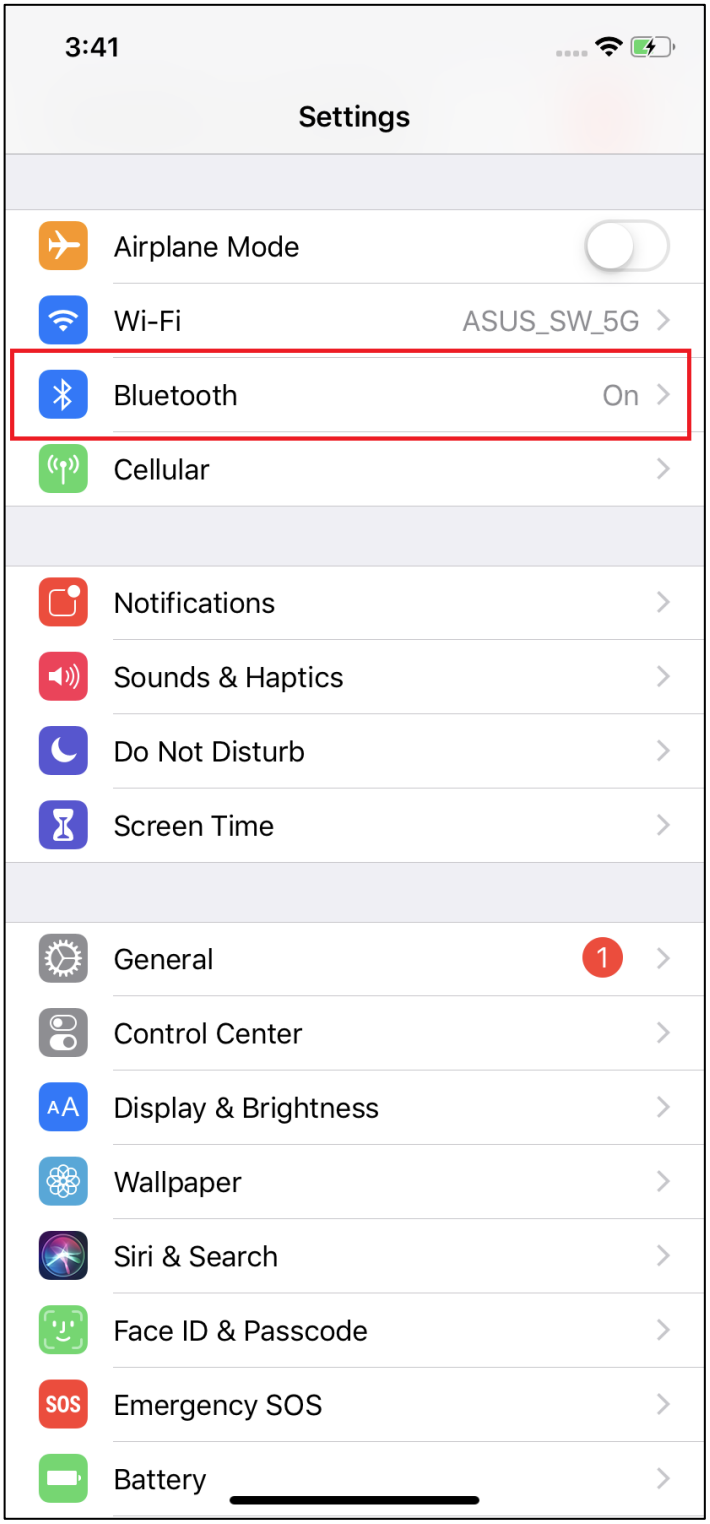
• Bluetooth connection is available with paired host device.

Bluetooth paring method is as below.

1) Select setting in iOS

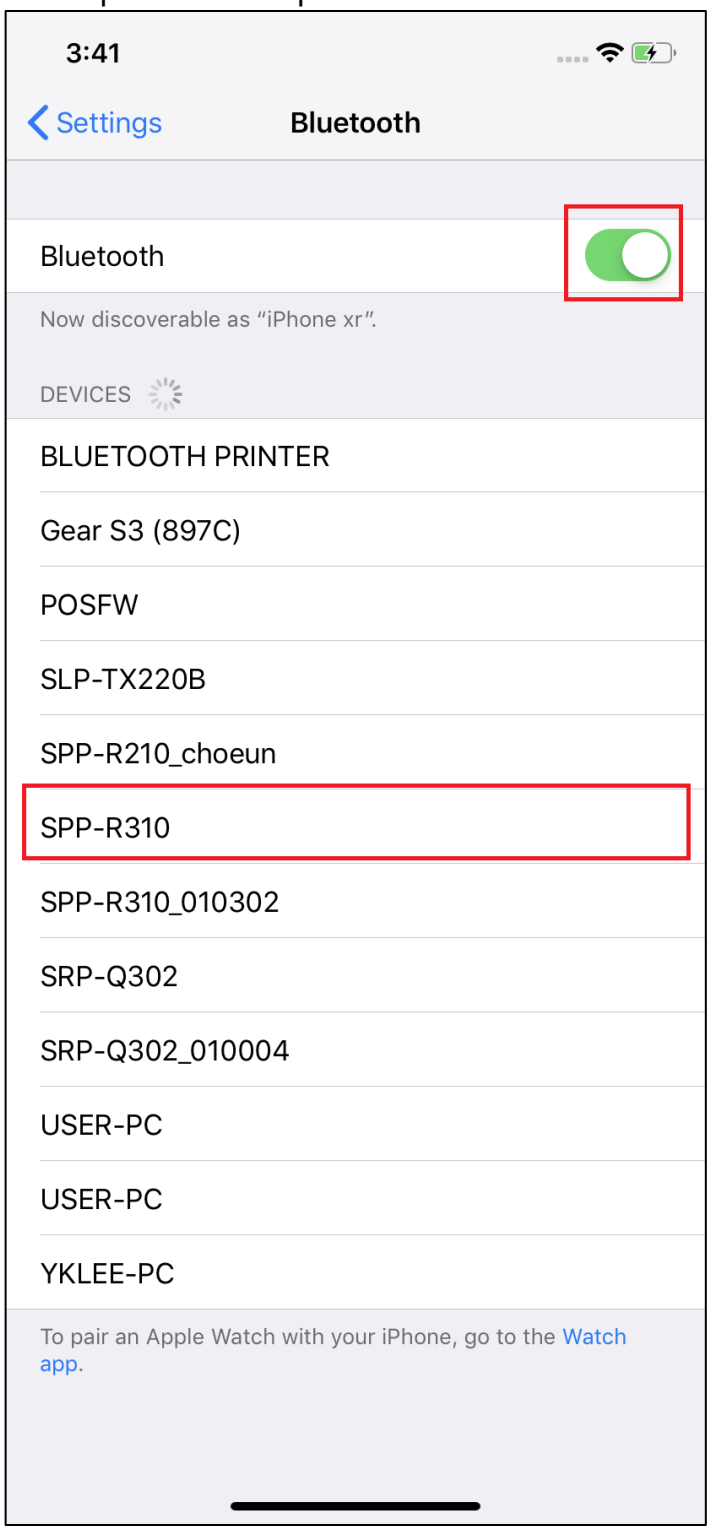


2) Select Bluetooth as follow image

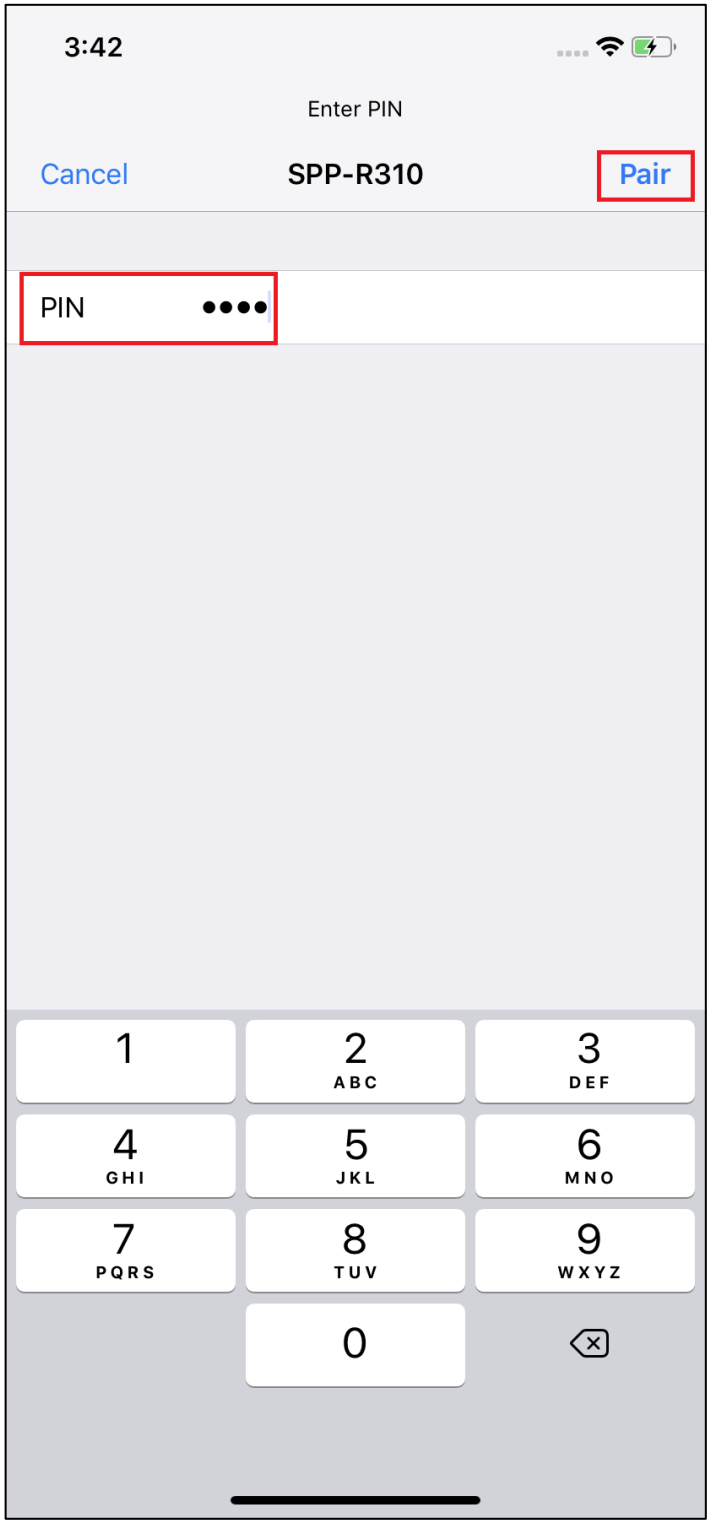


3) Activate the Bluetooth module

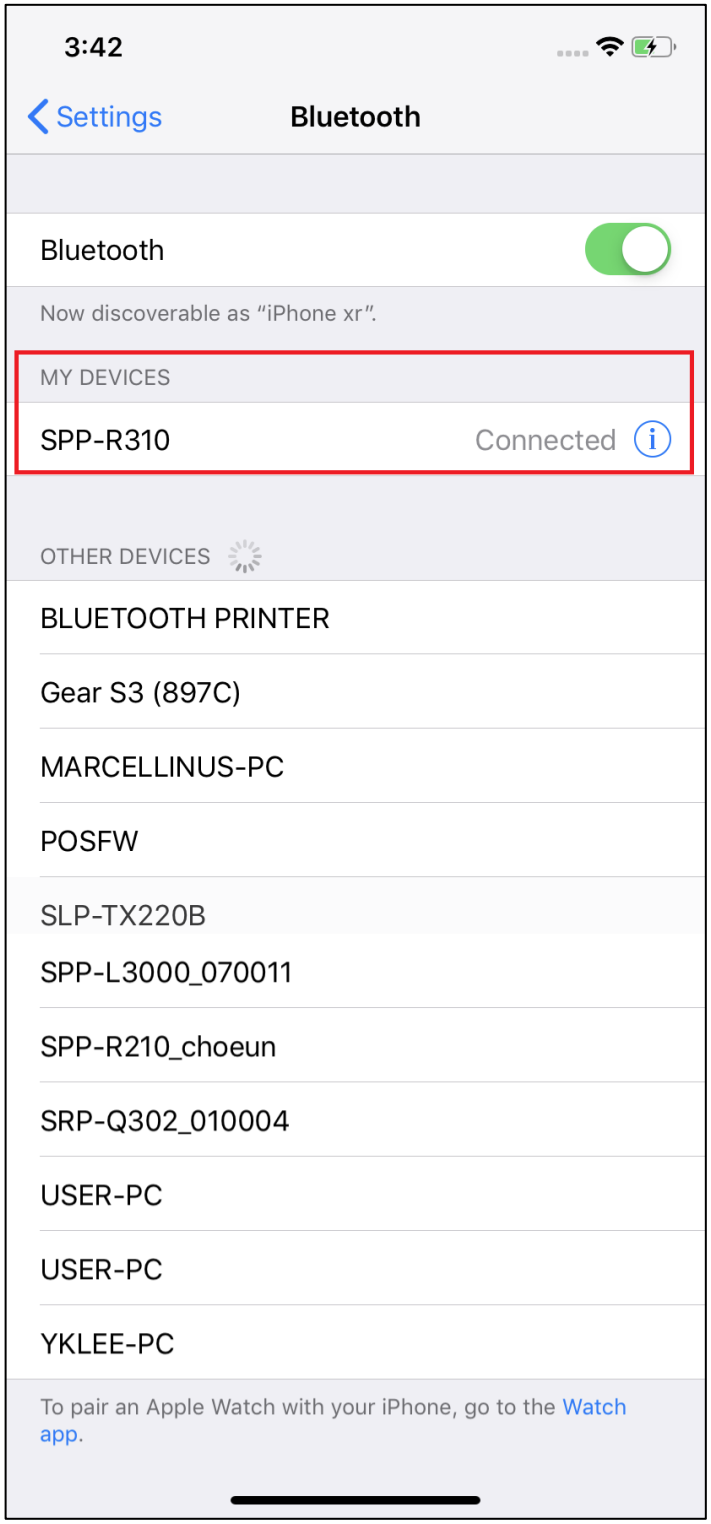
4) Select printer to be paired



5) Input PIN(Default: **0000**) and touch Pair Button



6) Connected message received (Paring Success)

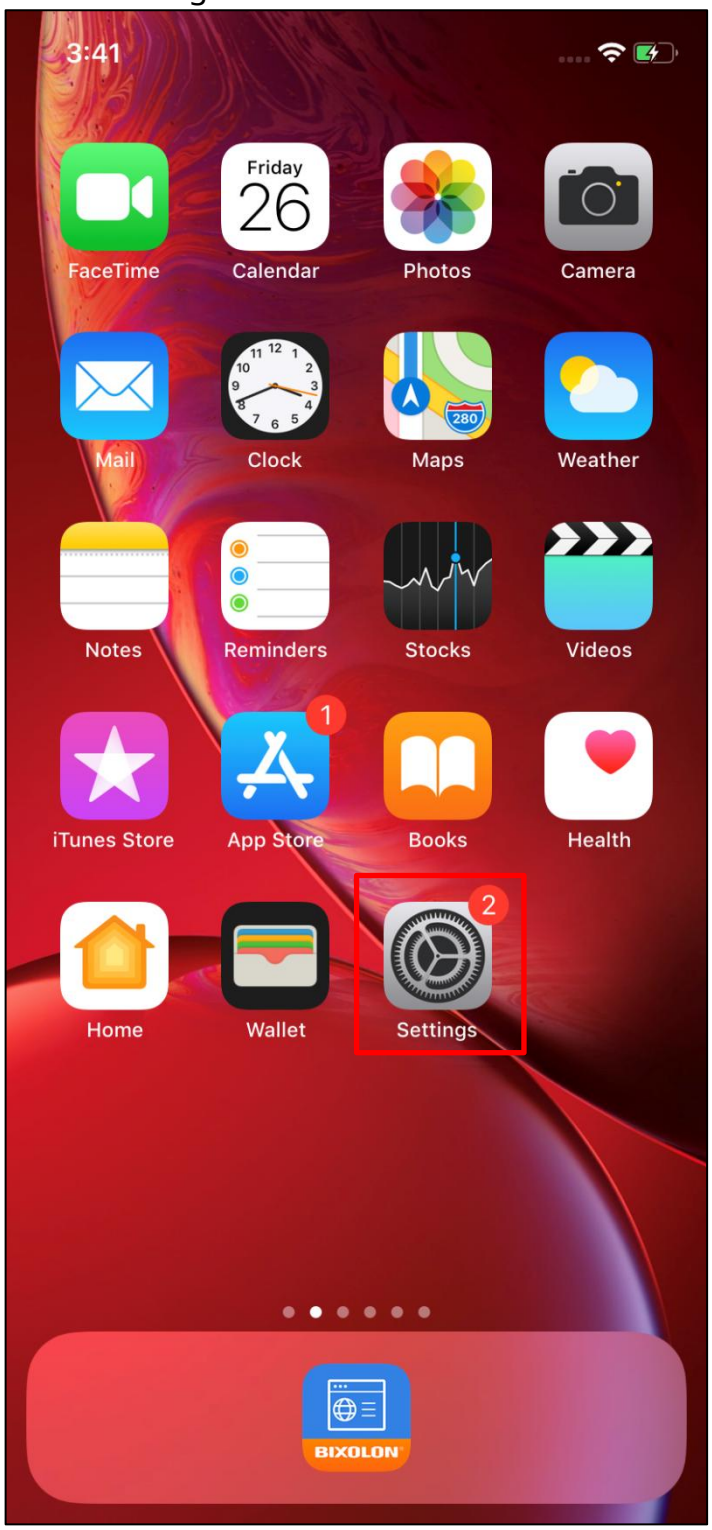


4-3 WiFi / Ethernet Printer Connection

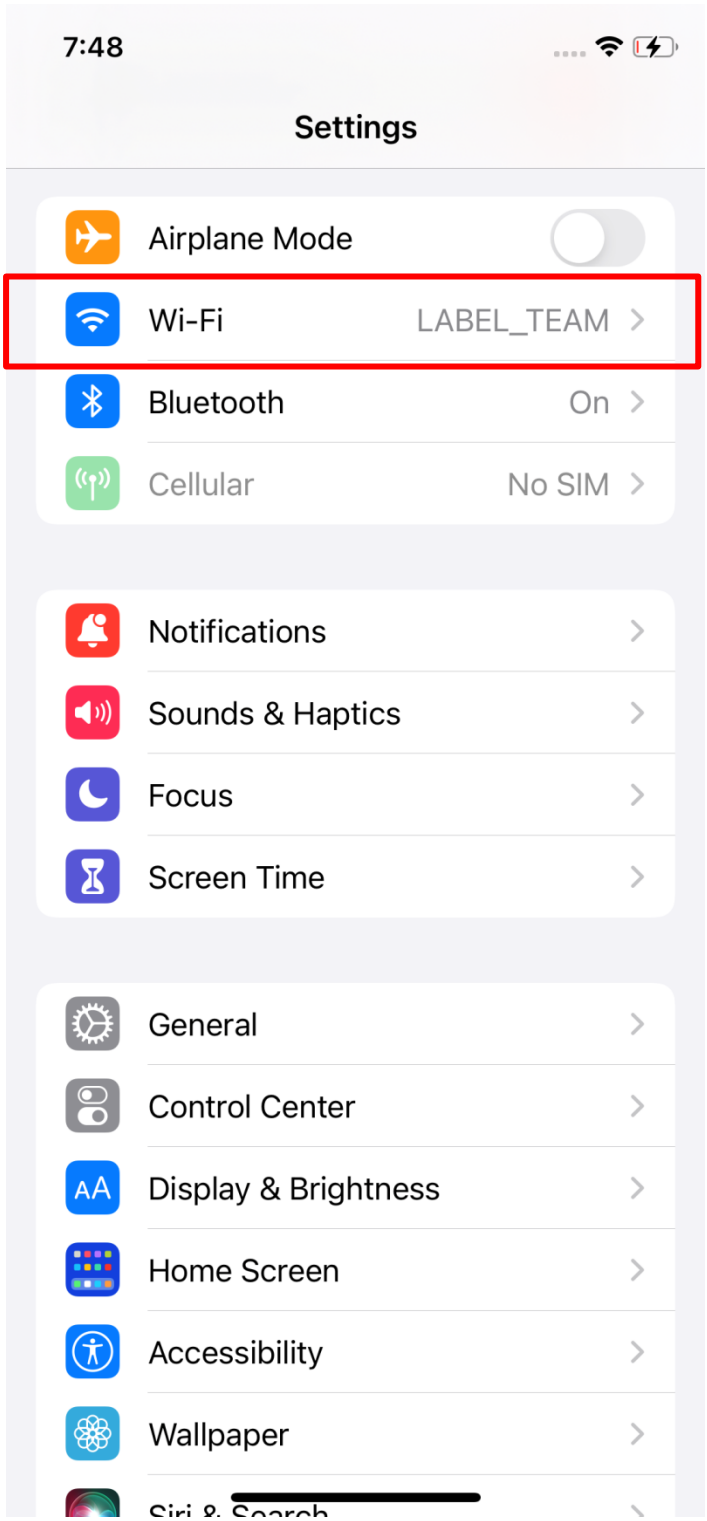
• If printer is connected through wireless LAN/Ethernet networks, the printer and host device must share a same AP.

Connection method through wireless LAN/Ethernet networks is as below

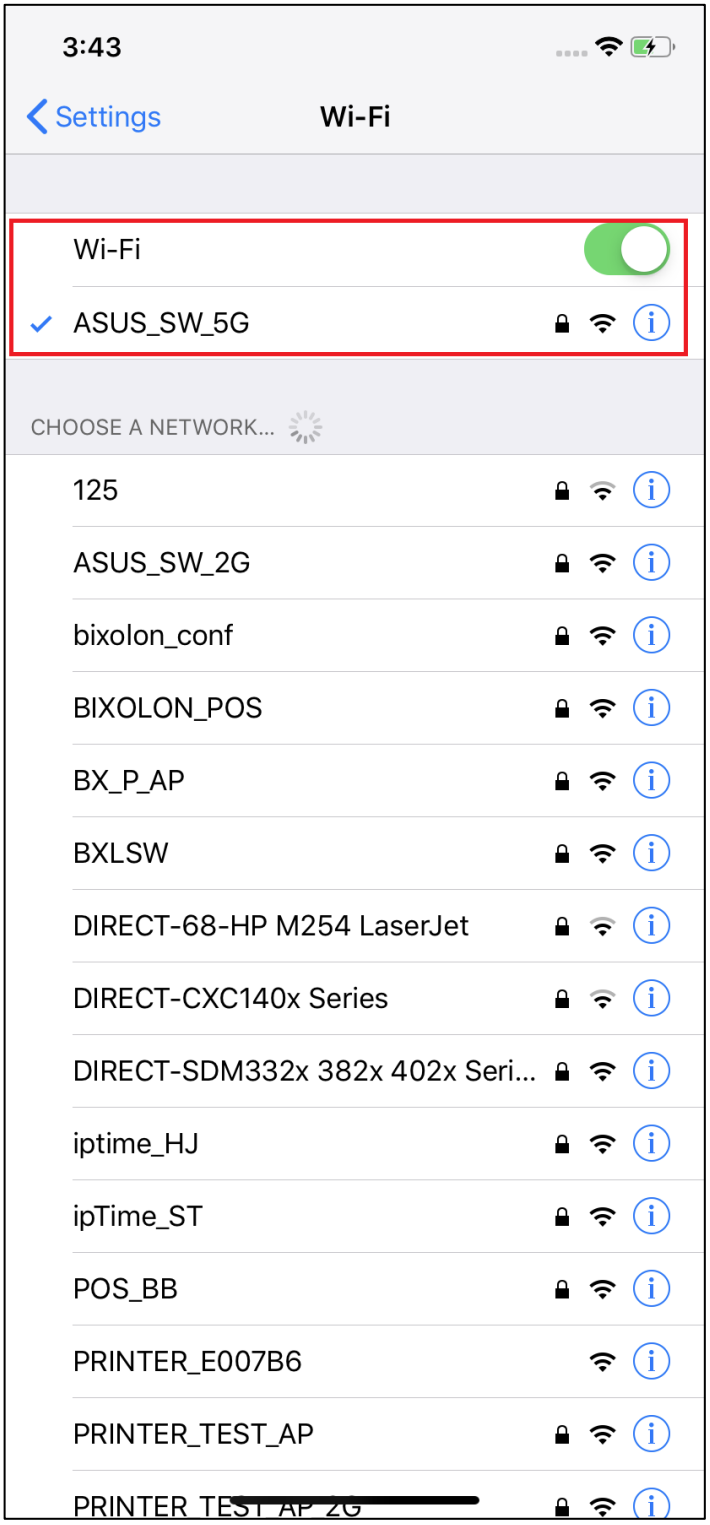
1) Touch Settings in iOS



2) Select Wi-Fi



3) Select AP to be connected



< 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	01-08-2019	New
1.01	28-11-2019	- Information of supported printers added : XD5-40t, XD5-43t : XM7-40 - Information of supported printers Changed : XL5-40 -> XL5-40CT : XL5-43 -> XL5-43CT
1.02	11-03-2020	- Information of supported printers added : XM7-20
1.03	10-09-2020	- Information of RFID type printers added : XT5-40(RFID), XT5-43(RFID), XT5-46(RFID), : XD5-40t(RFID), XD5-43t(RFID)
1.04	25-09-2020	- Information of supported printers added : SRP-S320
1.05	28-10-2020	- Information of supported printers added : SRP-S3000/SRP-S3000_LABEL : XD3-40d : XD3-40t : SPP-L310/SPP-L410 : SRP-770III/SRP-E770III : SLP-D420/SLP-D423 : SLP-D220/SLP-D223 : SLP-T400/SLP-T403
1.06	14-01-2021	- Information of supported printers added : SRP-B300
1.07	26-02-2021	- Information of supported printers added : SRP-S200 : SRP-S320Hi
1.08	24-05-2021	- Change APP name : mPrint Server -> Web Print SDK
1.09	10-08-2021	Support Secure Socket Layer(SSL)
1.10	03-11-2021	- Information of supported printers added : SPP-C200
1.11	22-03-2022	- Information of supported printers added : SPP-C300 - Supported OS version updated.
1.12	26-04-2022	- Information of supported printers added
1.13	22-06-2022	- Information of supported printers added
1.14	18-08-2022	- Information of supported printers added - Graphic image changed in 4-3 “WiFi/Ethernet Printer Connection”.

1.15	06-04-2023	- Information of supported printers added
1.16	13-10-2023	- Information of supported printers added
1.17	21-08-2024	- Information of supported printers added
1.18	26-12-2024	- SRP-380II, SRP-382II model name updated to SRP-380plus, SRP-382plus respectively
1.19	14-01-2025	- Information of supported printers added
1.20	17-04-2025	- Information of supported printers added
1.21	18-06-2025	- Information of supported printers added
1.22	23-07-2025	- Information of supported printers added
1.23	09-09-2025	- Information of supported printers added
1.24	18-09-2025	- Information of supported printers added
1.25	11-02-2026	- Information of supported printers added
1.26	12-08-2026	- Information of supported printers added