BIXOLON®

Wi-Fi Connection Manual
SPP-L410

Rev. 1.00

http://www.bixolon.com

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1. Manual Information

This WLAN manual provides information on the connection of wireless network with the mobile printer.

We at BIXOLON maintain ongoing efforts to enhance and upgrade the functions and quality of all our products.   In following, product specifications and/or user manual content may be changed without prior notice.

2. Precautions

2-1 The printer has to be within 100m(Out door) from AP(Access point) to connect
    WLAN. Although 35m is able to communicate in door, WLAN could be affected by
    environment to be shorten.
    The printer's Status LED shows the connection status of the wireless LAN.
     - Green : Indicates that the wireless LAN is connected normally
     - Red : Indicates that the WLAN password is wrong
     - Off : Indicates that the AP of the set SSID is not nearby

2-2 The maximum separating distance may be shortened if transmission obstacles, such
    as cement walls, are present

2-3 If a device (such as a microwave oven, wireless LAN, etc.) that uses the same
    frequency is present, transmission may be interrupted. Separate the printer and
    Bluetooth-enabled device from such interrupting devices by a distance of at least 5m.

3. How to Connect

WLAN can be configured through the printer's WLAN interface. Likewise, WLAN can also be configured though the printer's Serial/USB interfaces.

(1) Connecting Printer

1) Serial / USB cable
Connect Serial/USB cable to Printer, PC device.
When Serial cable use, baudrate between Device and printer should be the same.

2) WLAN
Connect to the AP (Access Point) configured in Infrastructure mode in order to connect to the LAN/wireless network

A P

Infrastructure mode
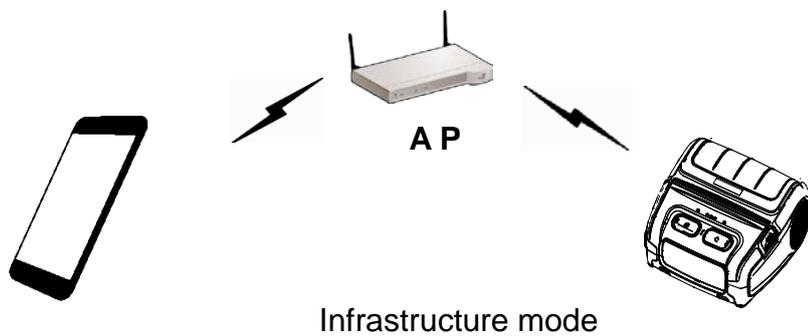
In order to configure the network between the wireless host device and the printer, set the printer to Soft AP Mode.
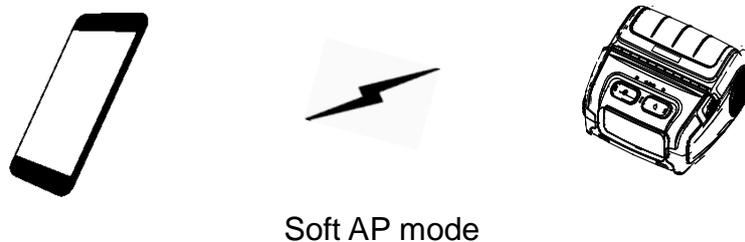
Soft AP mode

(2) Checking Network Setting

Self-test
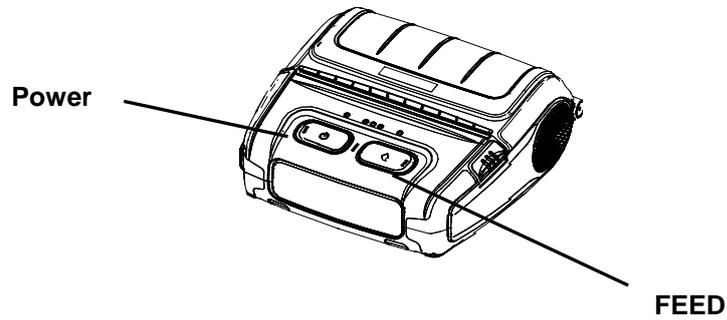
While the printer is turned off, turn on the printer while pressing the feed button.
The printer setting values will then be printed.

3-1 Android Soft AP mode (default)
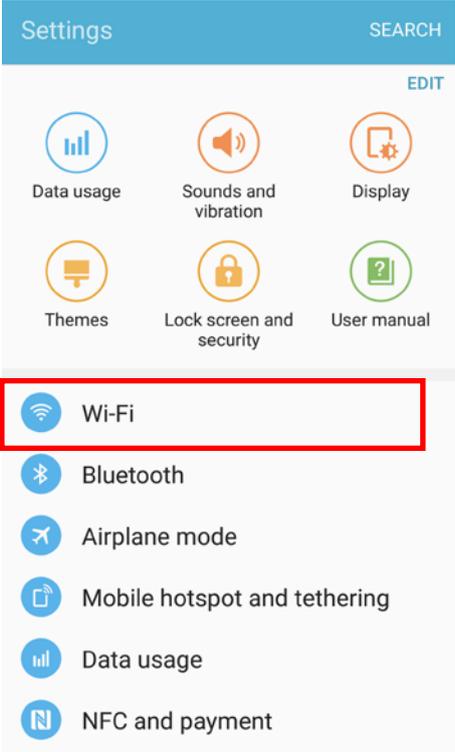
1) Select "Wi-Fi".   2) Select the printer to connect
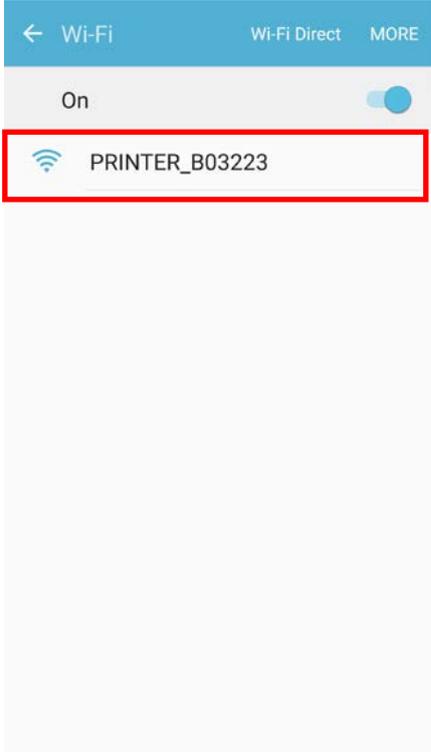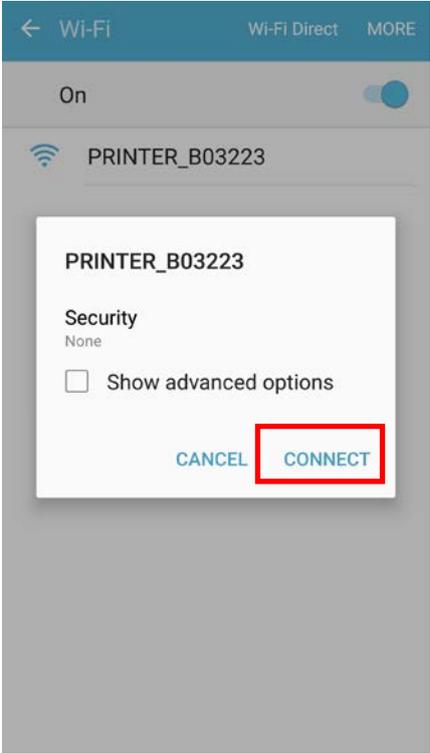
3) Select "CONNECT".   4) Wi-Fi communication is available.
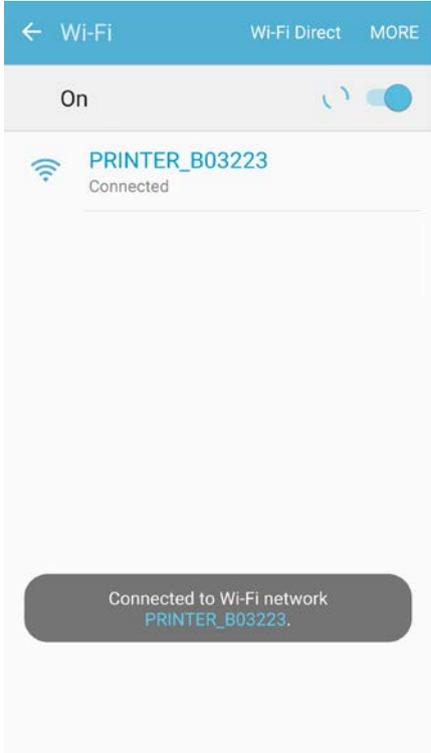
3-2 iOS Soft AP mode (default)

1) Select "Wi-Fi".
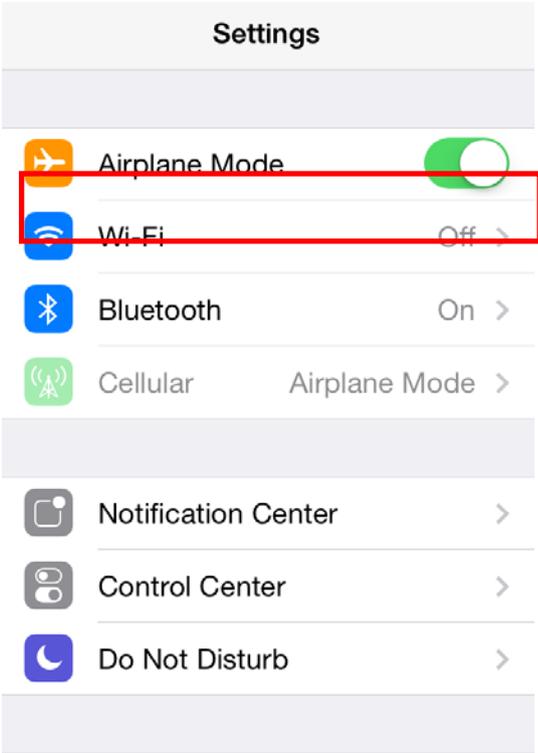
2) Wi-Fi ON and Select the printer to connect
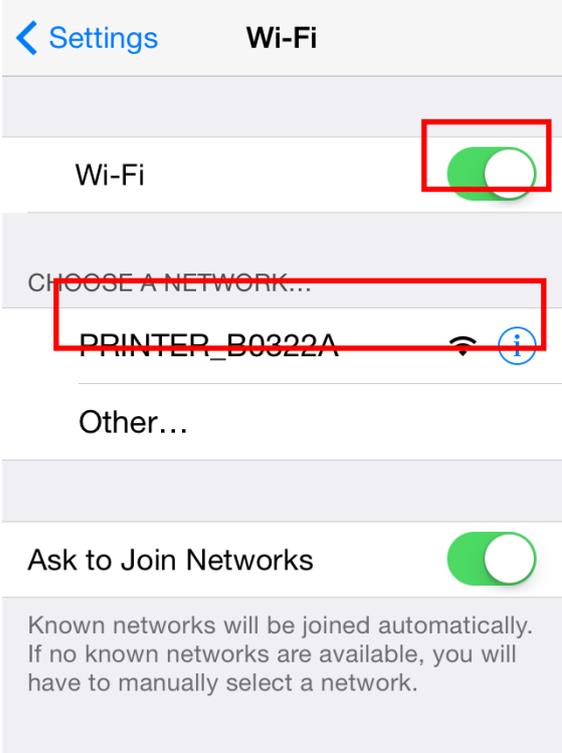
3) Wi-Fi communication is available
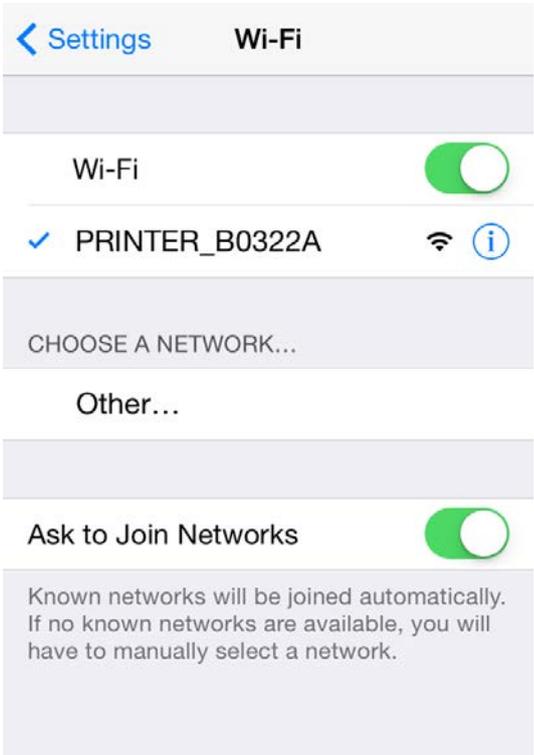
3-3 How to change infrastructure mode

1) Enter the IP address of the printer in the address bar, and the following login window will pop up. Enter the ID and Password set for the printer, and then click [LOG IN] (Default User Name: admin, Password: password)
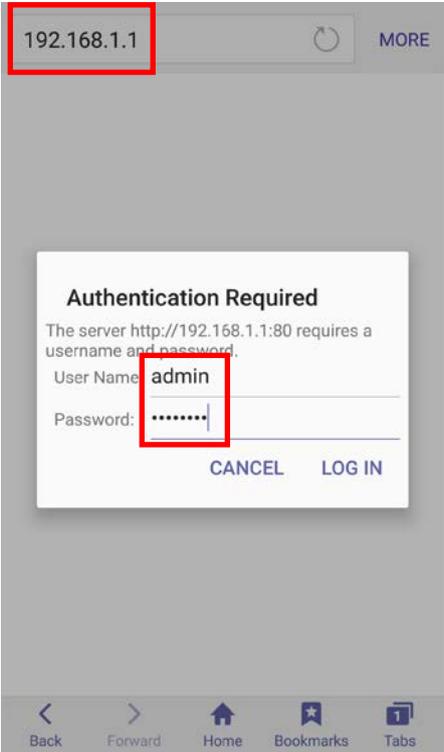
2) Select "Wireless" to change Wi-Fi mode.
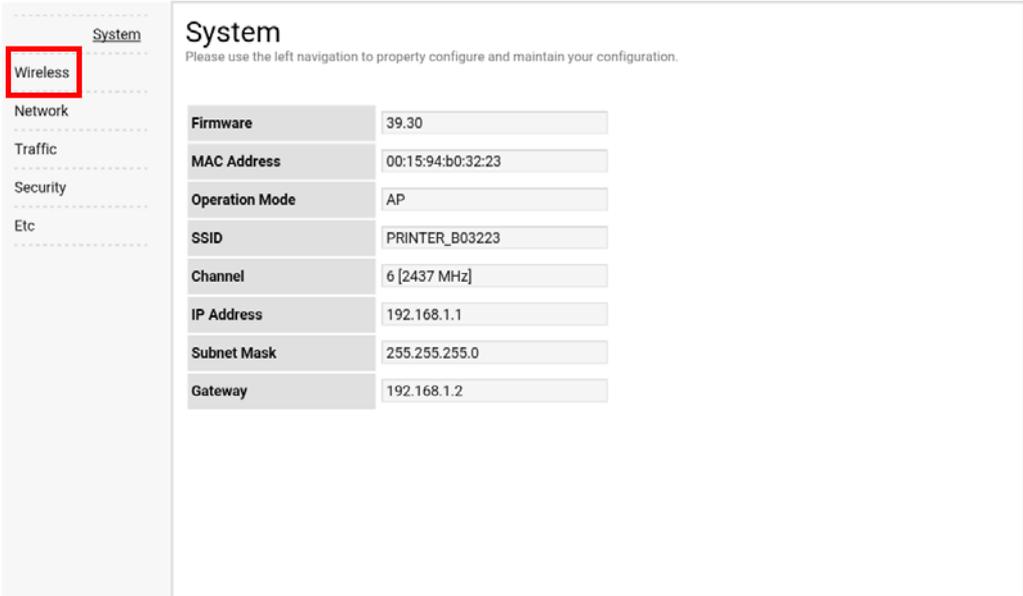
3) Select "infrastructure", and set SSID, WLAN Security Type.
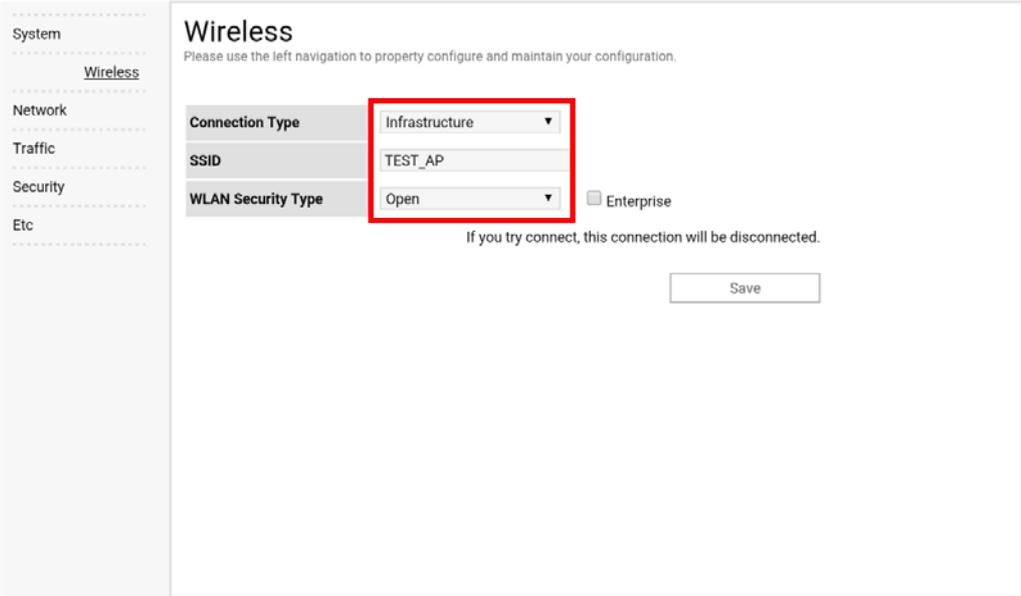
4) Reboot the Printer.

4. Factory Reset

This function changes the WLAN settings of the printer to the initial factory settings.

Method
Open the paper cover, press the FEED button, press the printer power button to turn on the printer, and close the cover when a beep sounds.

"Hexadecimal Dump"
"To terminate Hexadecimal dump"
"press FEED button three times!!"
"To change WLAN setting values"
"factory default"
"press POWER button three times!!"

When the above message is printed, press the power button 3 times.

Factory Reset Values

System	Printer Name	*Printer model
	Printer Port Num	9100
	User ID	admin
	User Password	password
Enc / Auth	Encryption	None/Open
Network	Network Mode	Soft AP mode
	SSID	PRINTER_{MAC address}
	Inactivity time	10
	IP Assignment Method	Manual (DHCP server)
	IP, Subnet, Gateway	IP : 192.168.1.1 Subnet : 255.255.255.0 Gateway : 192.168.1.2

Specification

Feature	Implementation
Operation Mode	Infrastructure, Soft AP, Ad-hoc, Wi-Fi Direct
Wireless Standard	IEEE 802.11b/g/n, IEEE 802.11a/b/g/n
Range	Up to 100m free space (Outdoor)
Security	WEP64/128
	WPA1/2 – PSK
	WPA 1/2 – Enterprise (EAP-TLS, EAP-TTLS, PEAP, LEAP, EAP-FAST)
Management	WLAN Configuration tool, HTTP, Smart connection APP

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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".