

BIXOLON®

Wi-Fi Connection Manual
SPP-L310

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<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.

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 through the printer's Serial/USB interfaces.

(1) Connecting Printer

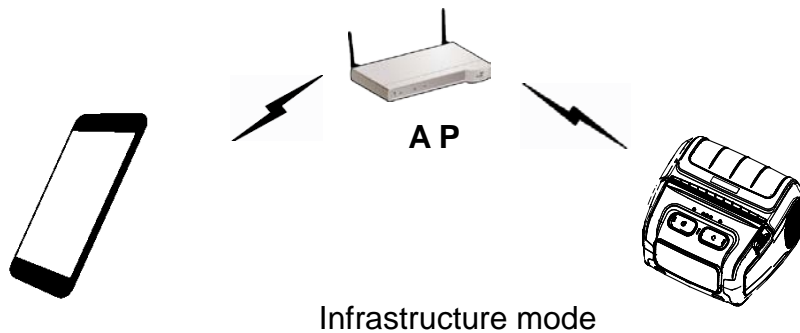
1) Serial / USB cable

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

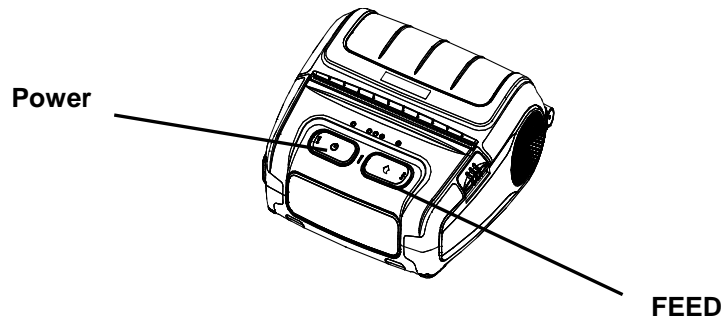


In order to configure the network between the wireless host device and the printer, set the printer to Soft AP Mode.



(2) Checking Network Setting

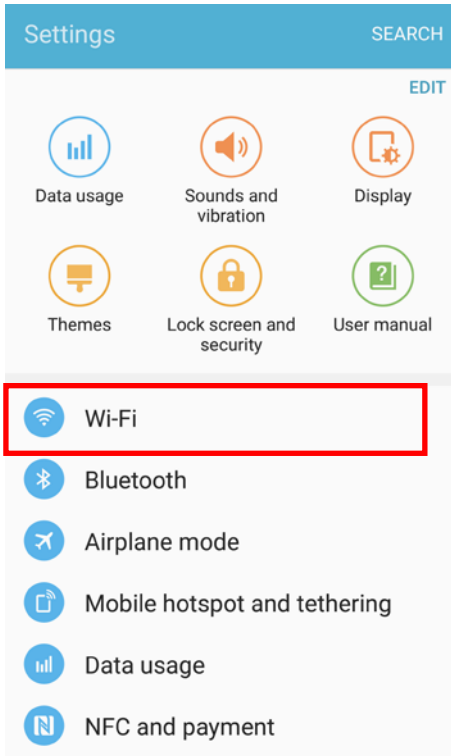
Self-test



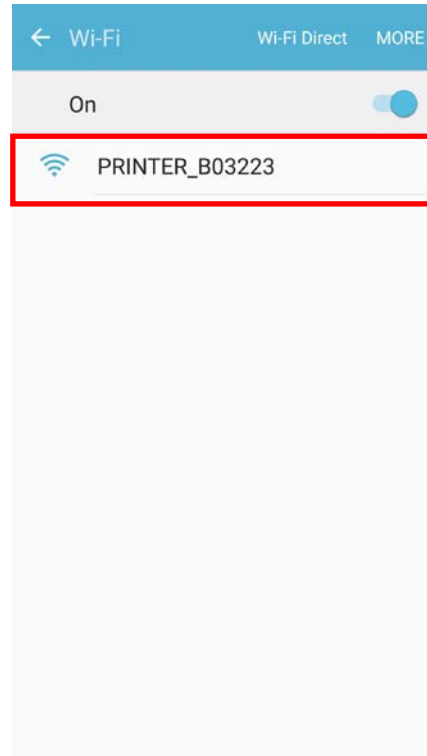
While the printer is turned off, turn on the printer while pressing the feed button. The printer setting values will then be printed.

3-1 Android Soft AP mode (default)

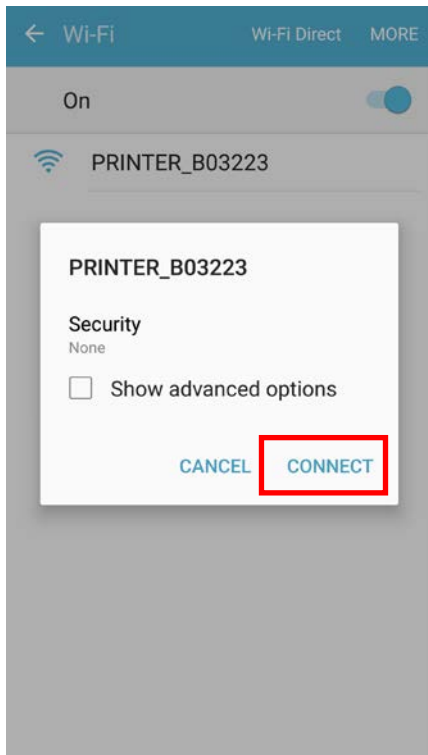
1) Select "Wi-Fi".



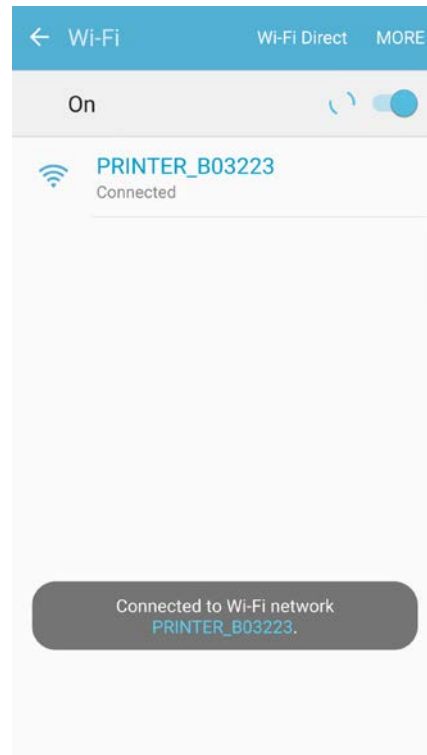
2) Select the printer to connect



3) Select "CONNECT".

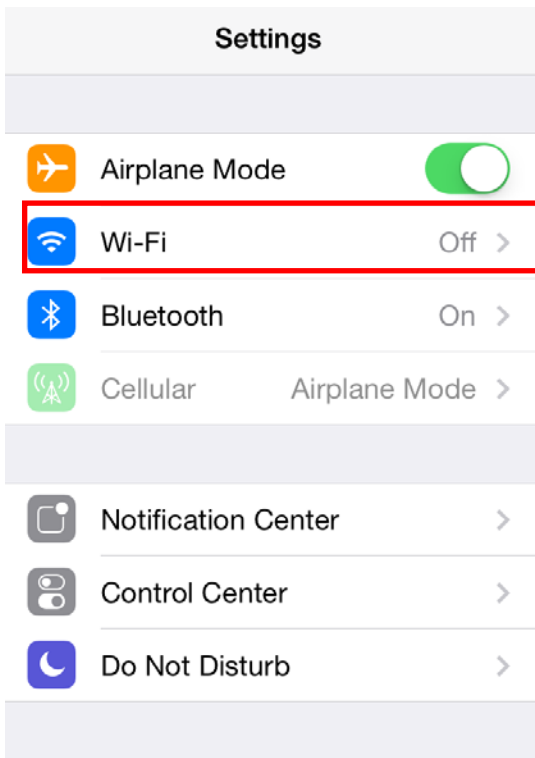


4) Wi-Fi communication is available.

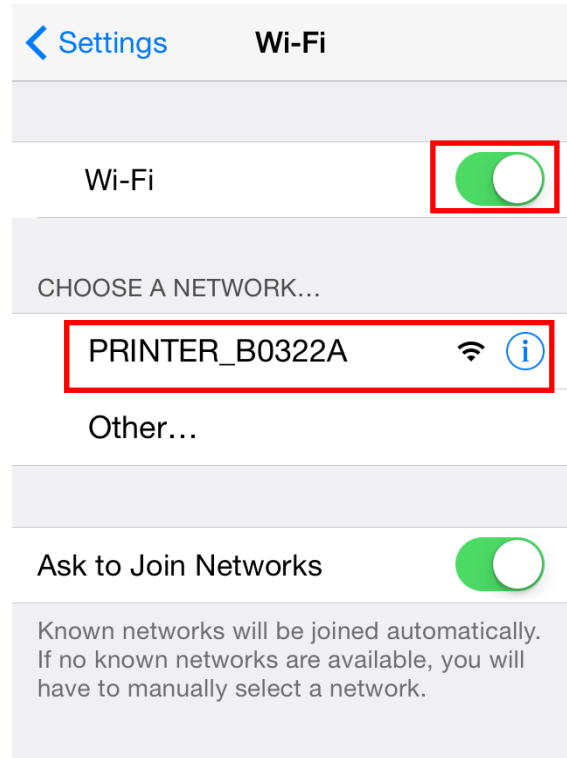


3-2 iOS Soft AP mode (default)

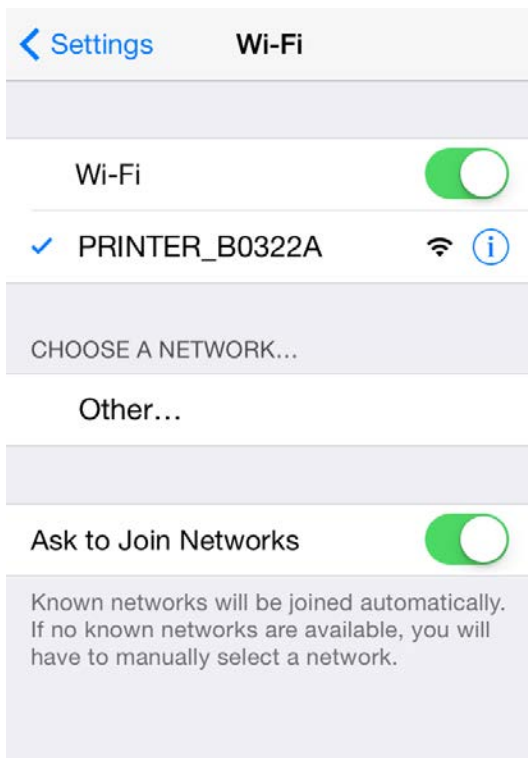
1) Select "Wi-Fi".



2) Wi-Fi ON and Select the printer to connect

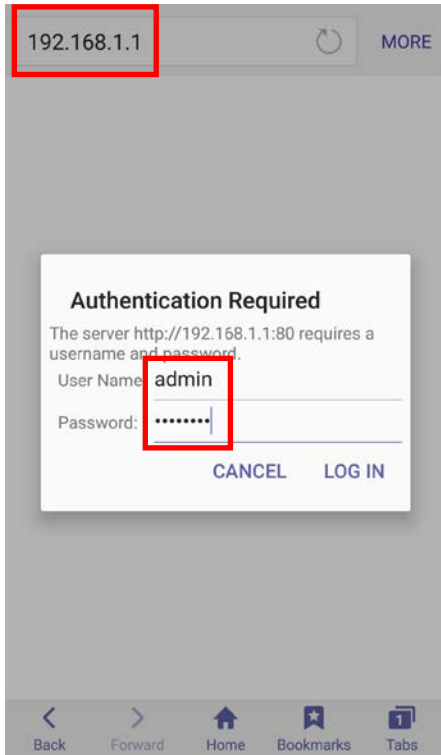


3) Wi-Fi communication is available

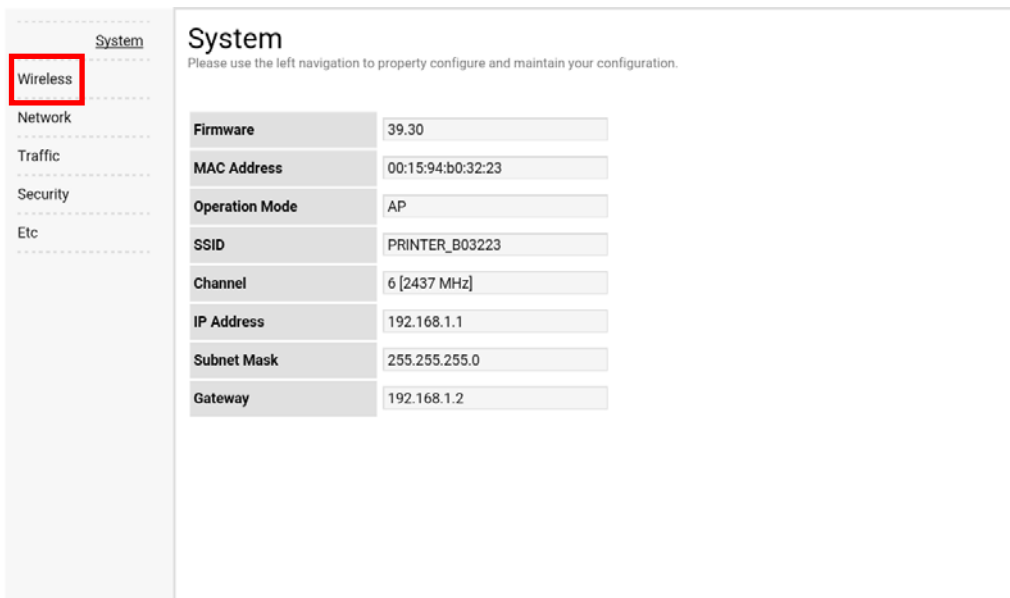


3-3 How to change infrastructure mode

- 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.

The screenshot displays the 'Wireless' configuration page. On the left is a navigation menu with categories: System, Network, Traffic, Security, and Etc. The 'Wireless' section is active. The main content area is titled 'Wireless' and includes the instruction: 'Please use the left navigation to properly configure and maintain your configuration.' Below this, there are three configuration fields: 'Connection Type' with a dropdown menu showing 'Infrastructure', 'SSID' with a text input field containing 'TEST_AP', and 'WLAN Security Type' with a dropdown menu showing 'Open'. To the right of the 'WLAN Security Type' field is an unchecked checkbox labeled 'Enterprise'. Below these fields is a warning message: 'If you try connect, this connection will be disconnected.' At the bottom right of the configuration area is a 'Save' button. A red rectangular box highlights the 'Infrastructure' dropdown and the 'Open' dropdown.

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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Cautions When Using

Electronics, such as printers, are prone to damage by static electricity. Therefore, to protect the printer from static electricity, be sure to turn off the printer before connecting or disconnecting the cable to the rear of the printer. If the printer is damaged by static electricity, contact your local dealer.