



Wireless LAN Connection Manual

PV3/PV4

BARCODE PRINTER
Ver. 1.00

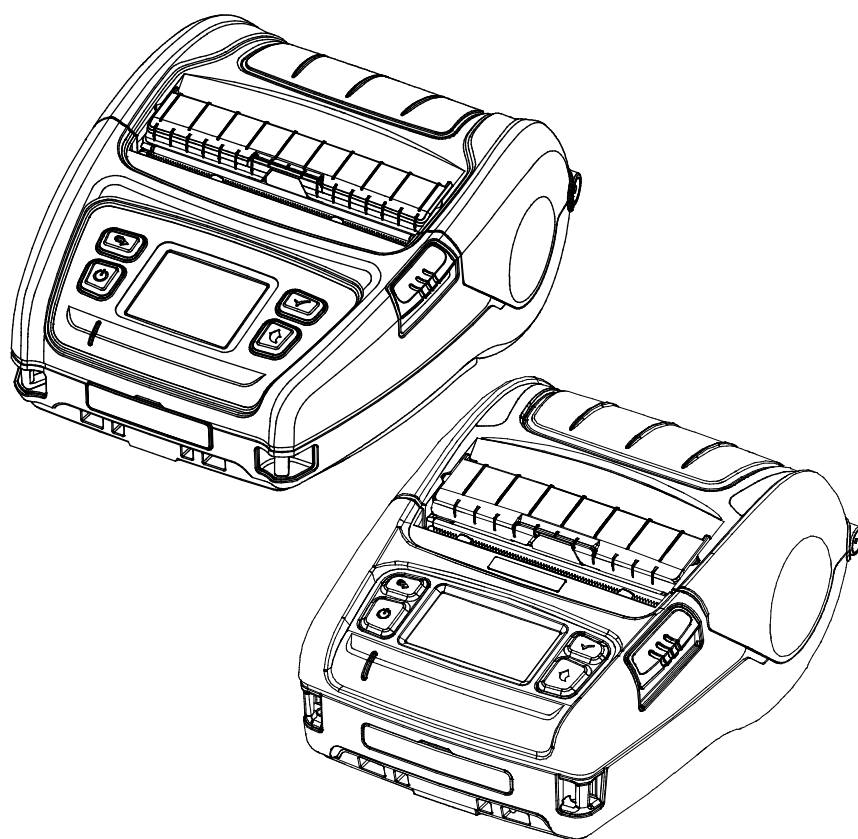


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1. Manual Information

This Wireless LAN manual provides information on the connection of wireless network with the barcode printer.

We at SATO 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 Wireless LAN. Although 35m is able to communicate in door, Wireless LAN could be affected by environment to be shorten.

The printer's LCD shows the connection status of the Wireless LAN.



- Indicates that the Wireless LAN is connected normally



- Indicates that the Wireless LAN password is wrong



- 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

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

(1) Connecting Printer

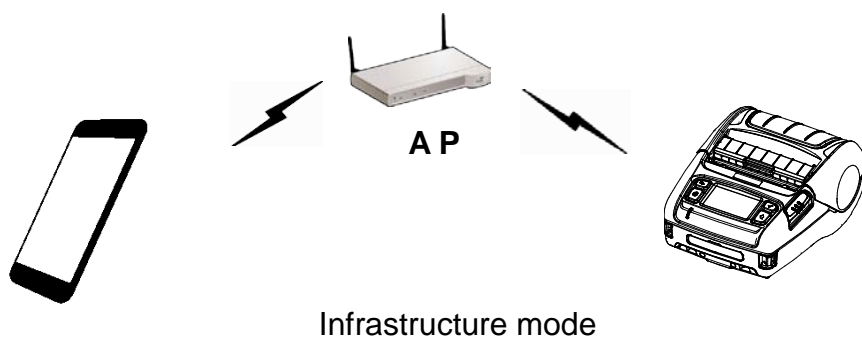
1) Serial / USB cable

Connect Serial/USB cable to Printer, PC device.

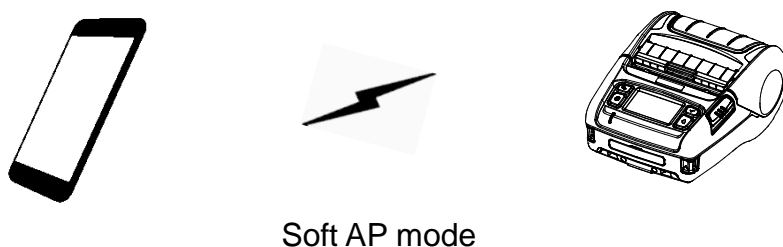
When Serial cable use, baudrate between Device and printer should be the same.

2) Wireless LAN

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

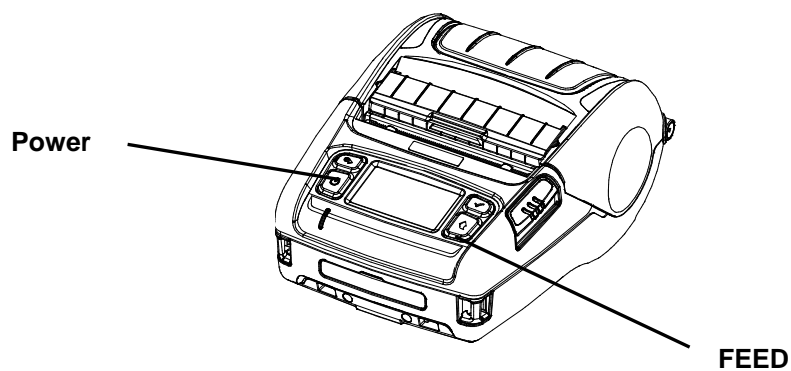


In order to configure the network between the wireless host device and the printer, set the printer to Soft AP Mode.



(2) Checking Network Setting

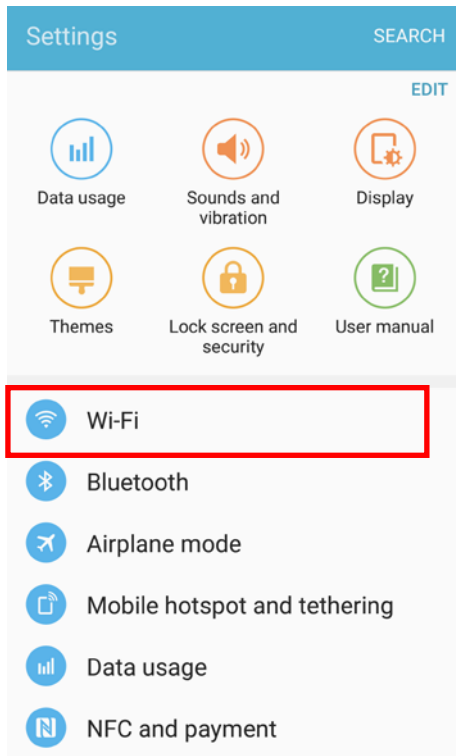
Self-test



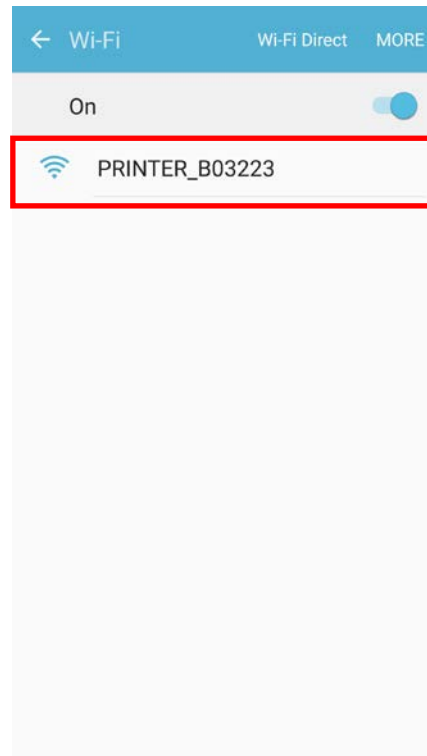
While the printer is turned off, turn on the printer while pressing the feed button. The printer setting values will then be printed.

3-1 Android Soft AP mode (default)

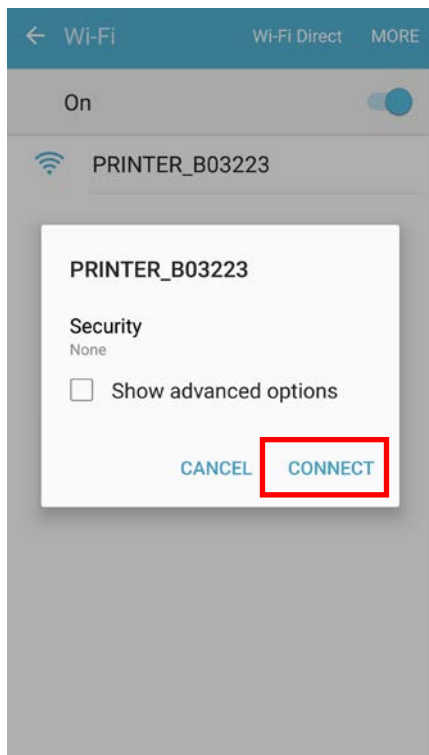
1) Select "Wi-Fi".



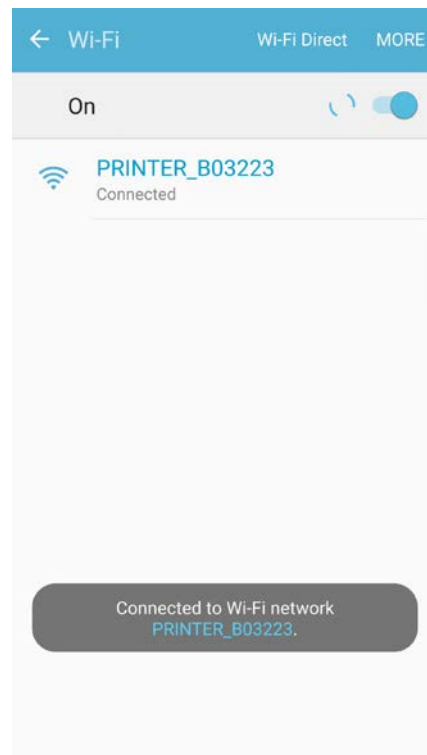
2) Select the printer to connect



3) Select "CONNECT".

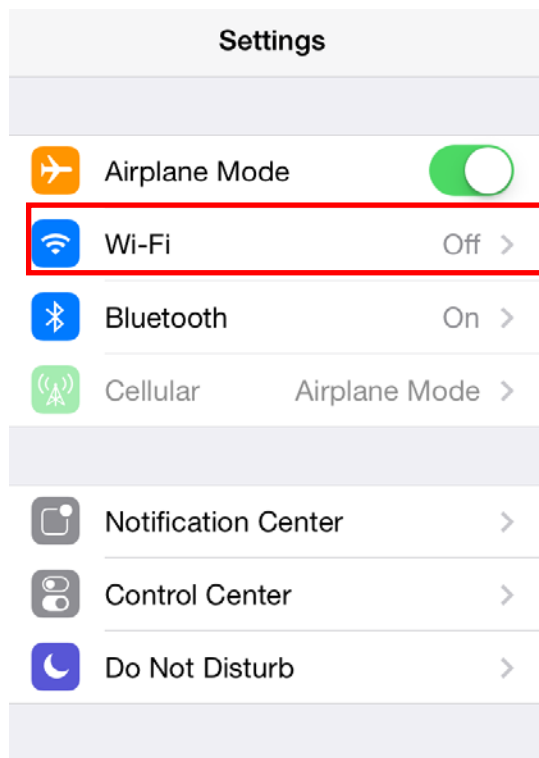


4) Wi-Fi communication is available.

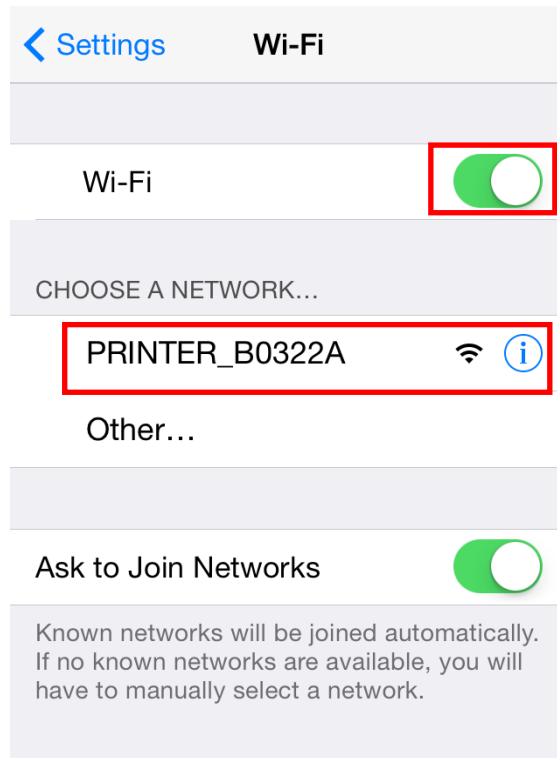


3-2 iOS Soft AP mode (default)

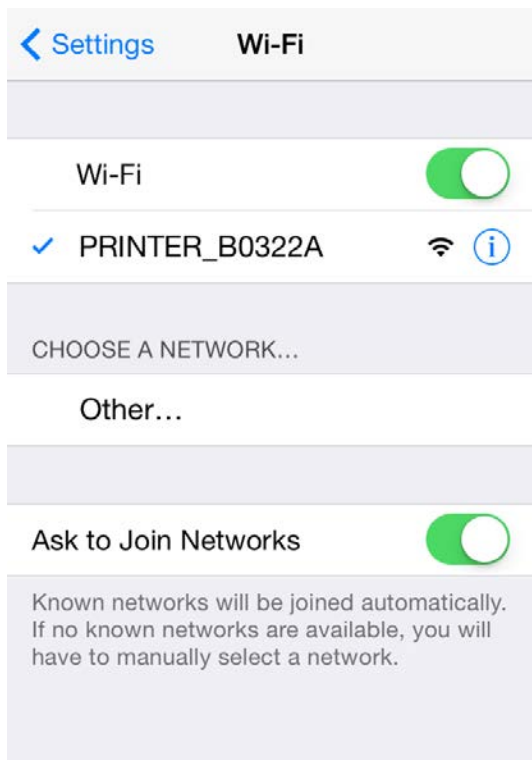
1) Select "Wi-Fi".



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

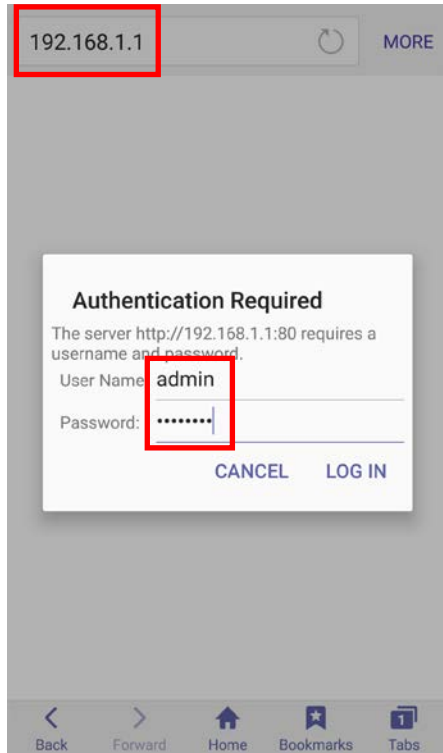


3) Wi-Fi communication is available

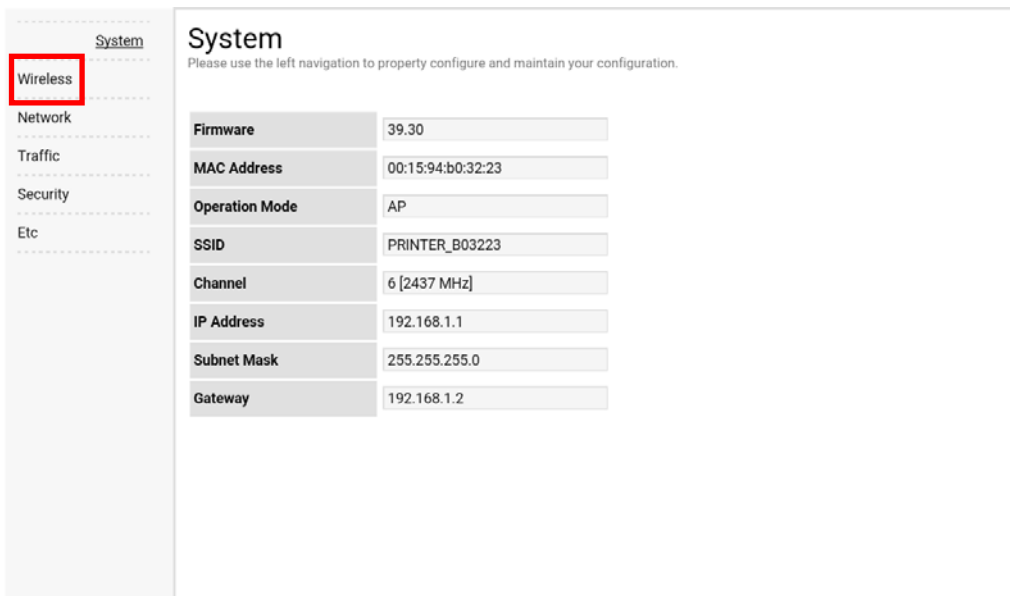


3-3 How to change infrastructure mode

- 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 Wireless LAN mode.



3) Select “infrastructure”, and set SSID, WLAN Security Type.

The screenshot displays a web-based configuration interface for a wireless LAN. On the left is a vertical navigation menu with the following items: System, Wireless (highlighted), Network, Traffic, Security, and Etc. The main content area is titled 'Wireless' and includes a sub-header: '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' dropdown is a checkbox labeled 'Enterprise', which is currently unchecked. A red rectangular box highlights the 'Connection Type' and 'WLAN Security Type' dropdown menus. Below the configuration fields, a warning message states: 'If you try connect, this connection will be disconnected.' At the bottom right of the configuration area is a 'Save' button.

4) Reboot the Printer.

4. Factory Reset

This function changes the Wireless LAN settings of the printer to the initial factory settings.

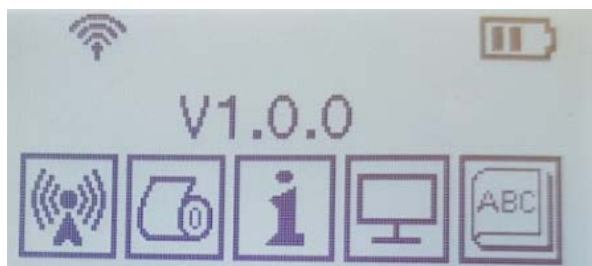
Method

Select the wireless interface on the printer's LCD screen.

Wireless LAN Factory reset is available in

WLAN> ON / OFF> Factory Reset

WLAN>WLAN Factory reset



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When the printer is turned off, the Wireless LAN setting is applied as the factory default

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	Net 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".