SATO

Wireless LAN Connection Manual
BARCODE PRITNER

Rev. 1.00
PV3

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1. Manual Information

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

We at SATO maintain ongoing efforts to enhance and upgrade the functions and quality of all our products.   The 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 (Outdoors) from AP (Access point) to connect to a Wireless LAN. Although up to 35m is possible to communicate indoors, Wireless LAN performance could be affected by the environmental conditions, such as cement walls, and impede signal strength performance. 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 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 though the printer's Serial/USB interfaces.
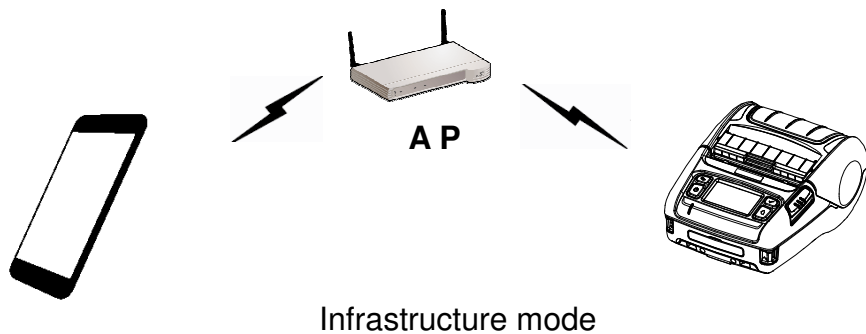
(1) Connecting Printer

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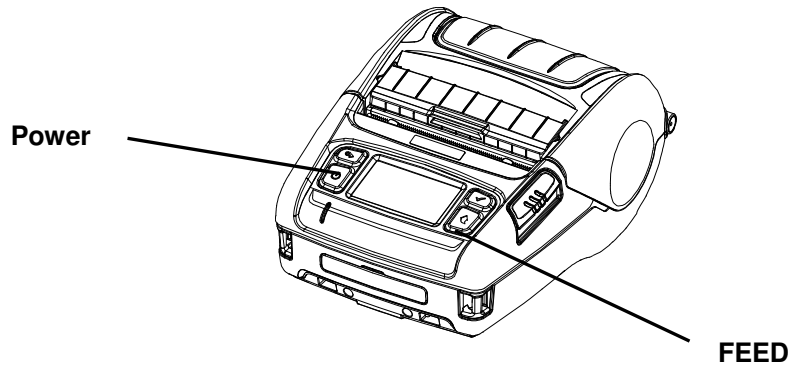

A P

Infrastructure mode

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

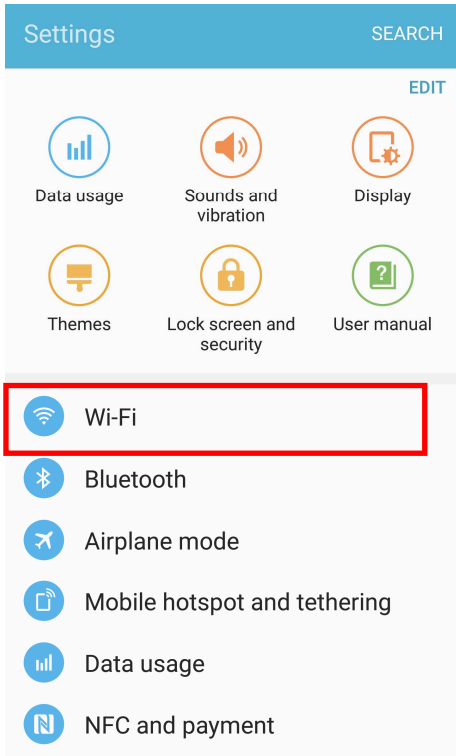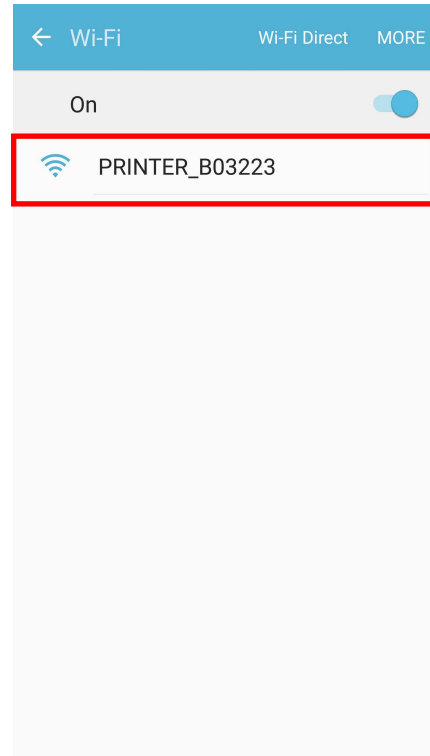Soft AP mode

(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.
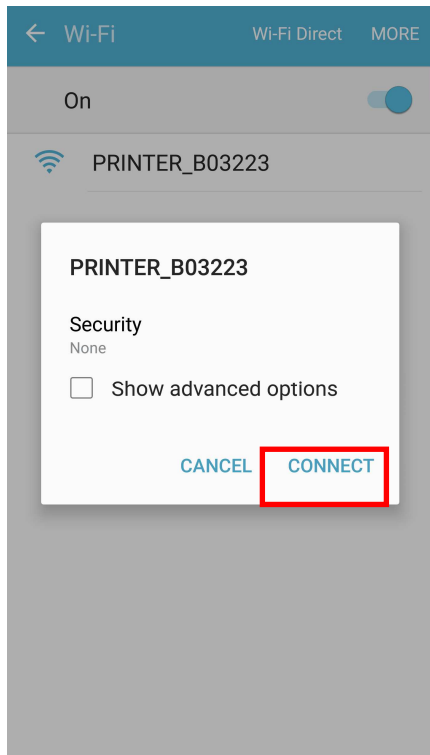
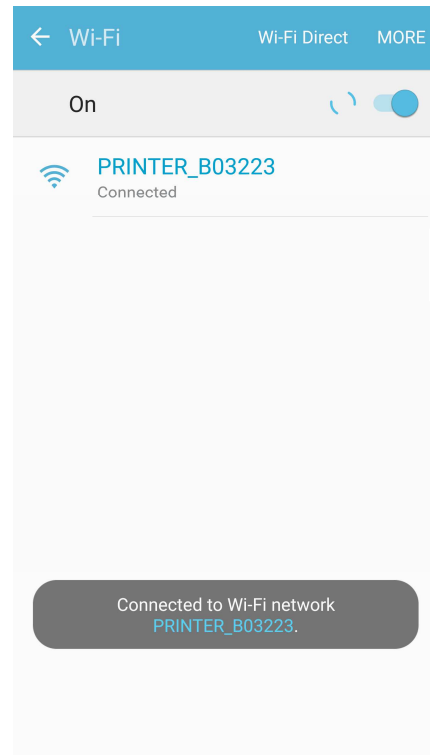3-1 Android Soft AP mode (default)

1) Select "Wi-Fi".

2) Select the printer to connect

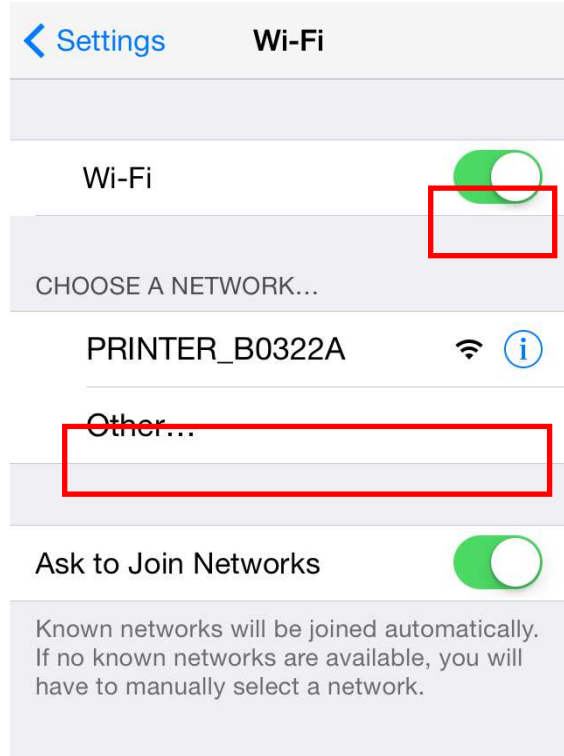3) Select "CONNECT".

4) Wi-Fi communication is available.

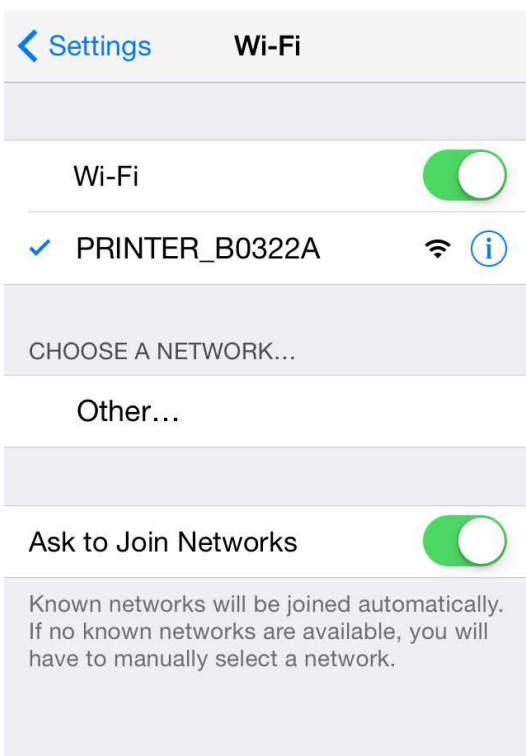**Rev. 1.00**

3-2 iOS Soft AP mode (default)

1) Select "Wi-Fi".

Settings		
✈ Airplane Mode		◯
📶 Wi-Fi	Off	›
❋ Bluetooth	On	›
(ᵢ) Cellular	Airplane Mode	›
📋 Notification Center		›
⊟ Control Center		›
☾ Do Not Disturb		›

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

‹ Settings	Wi-Fi	
Wi-Fi		◯
CHOOSE A NETWORK...		
PRINTER_B0322A	📶	ⓘ
Other...		
Ask to Join Networks		◯

Known networks will be joined automatically. If no known networks are available, you will have to manually select a network.

3) Wi-Fi communication is available

‹ Settings	Wi-Fi	
Wi-Fi		◯
✓ PRINTER_B0322A	📶	ⓘ
CHOOSE A NETWORK...		
Other...		
Ask to Join Networks		◯

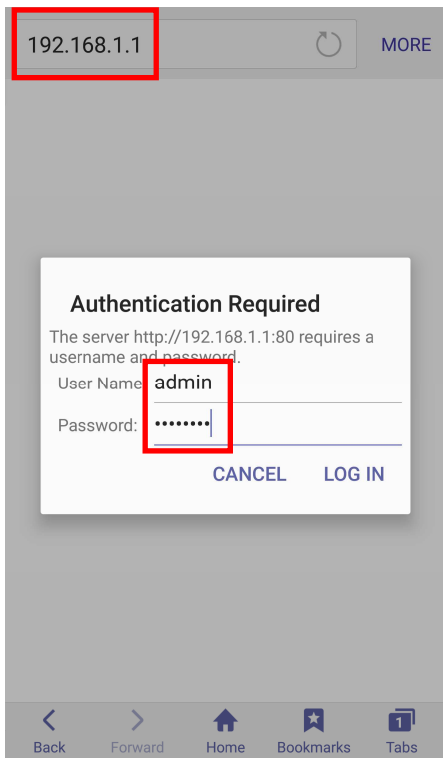Known networks will be joined automatically. If no known networks are available, you will have to manually select a network.
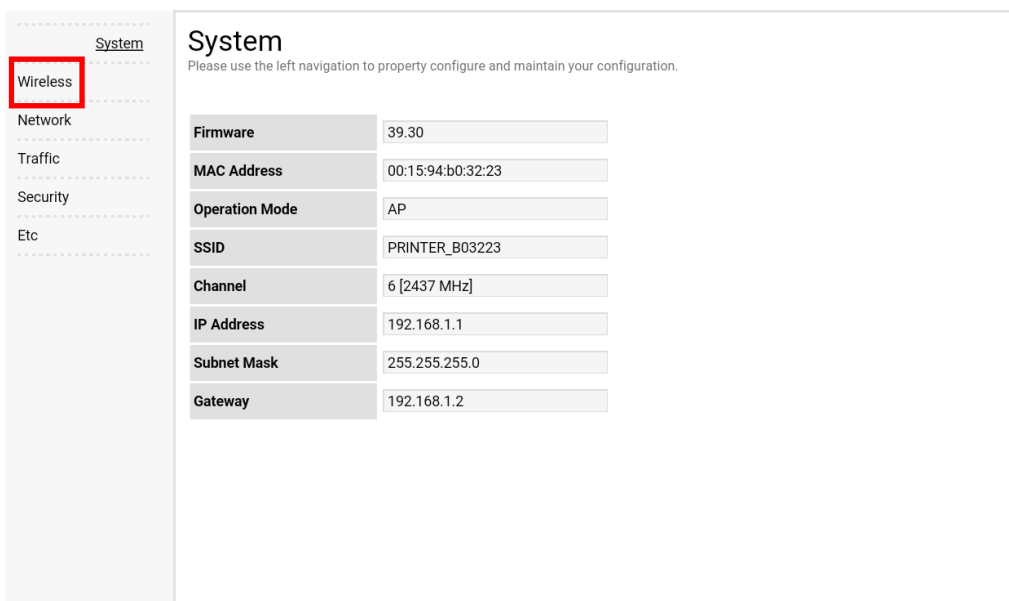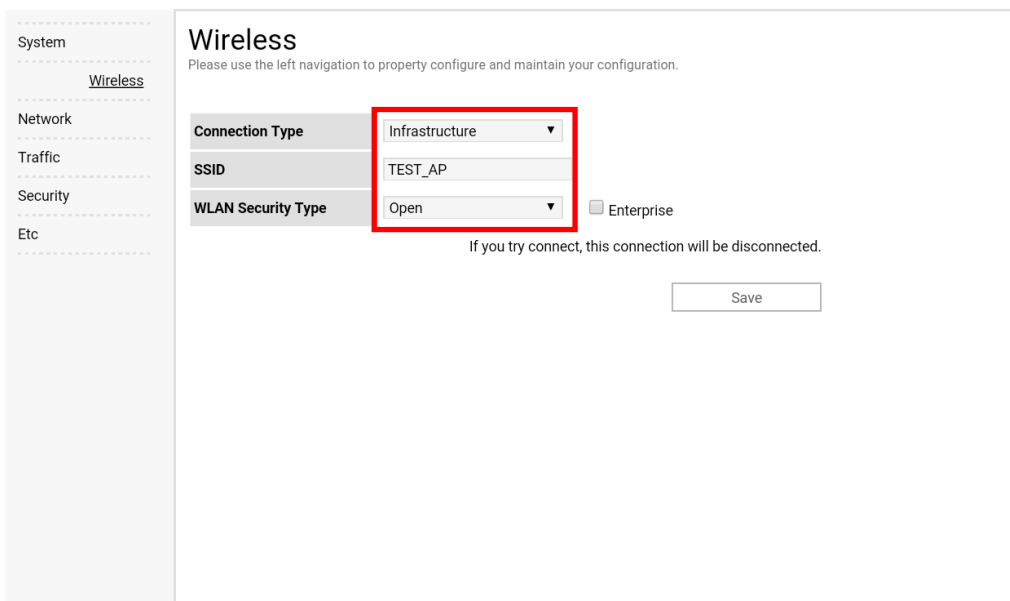
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3-3 How to change infrastructure mode

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.

System	**Wireless**
	Please use the left navigation to property configure and maintain your configuration.

	System
	Wireless
	Network
	Traffic
	Security
	Etc

Wireless
Please use the left navigation to property configure and maintain your configuration.

Connection Type	Infrastructure ▼
SSID	TEST_AP
WLAN Security Type	Open ▼ ☐ Enterprise

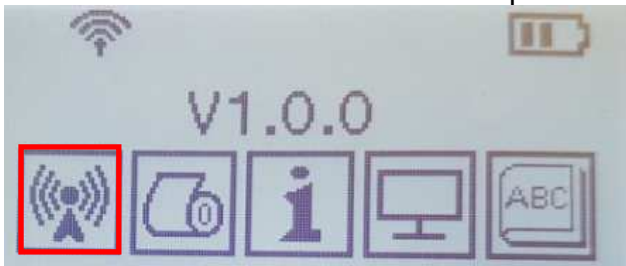If you try connect, this connection will be disconnected.

Save

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
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

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	WPA 1/2 – Enterprise (EAP-TLS, EAP-TTLS, PEAP, LEAP, EAP-FAST)
Management	Net Configuration tool, HTTP, Smart connection APP