

➤ How to setup WiFi Dongle (Web Configuration)

- 1) Please prepare WiFi Router and Tablet or PC, and please connect them.
Also, please connect Printer and WiFi Router with Wired LAN Cable.



- 2) Install WiFi Dongle onto USB Port A of Printer. (both Wired LAN & WiFi Dongle are connected)



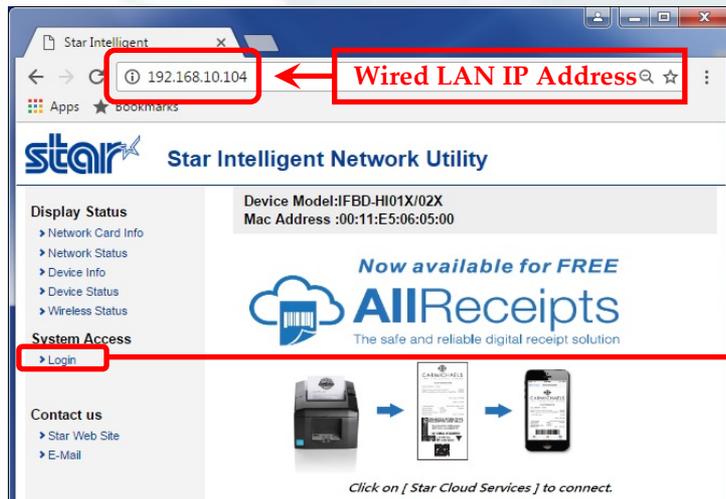
- 3) **Turn ON the Printer** with push "**FEED**" SW. (Self-Print)
You can get 2 pages of Printer Information.
And you can get IP Address of Wired LAN on the end of 2nd page.

Ethernet Network :

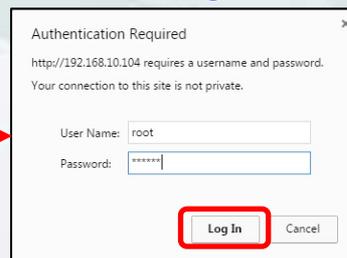
IP Address: 192.168.10.104 (DHCP)
Subnet Mask: 255.255.255.0
Gateway: 192.168.10.1

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4) Execute Browser of Tablet or PC, and put Wired LAN *IP Address*.



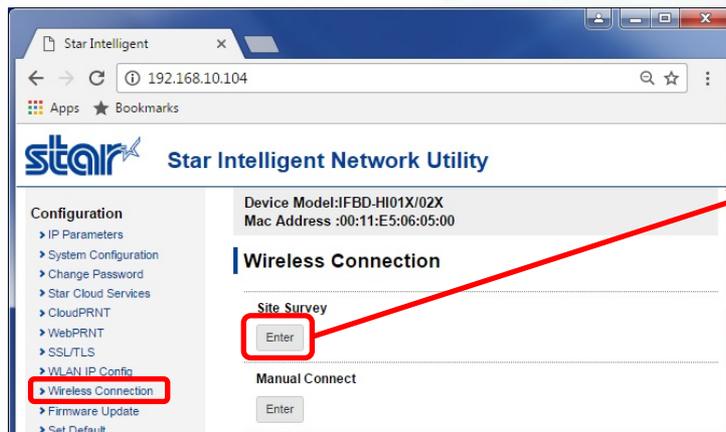
5) Click "*Login*", and put User Name and Password, Then Click "*Log In*".



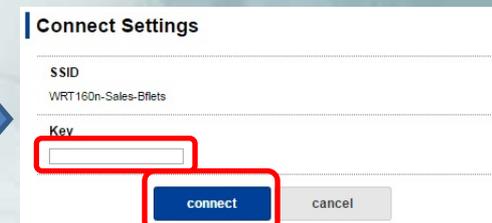
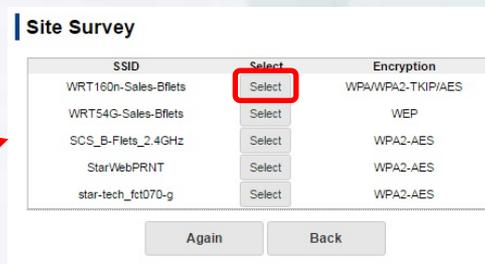
Default Login ID & Password

User Name : *root*
Password : *public*

6) Select "*Wireless Connection*", then Click "Enter" of Site Survey.

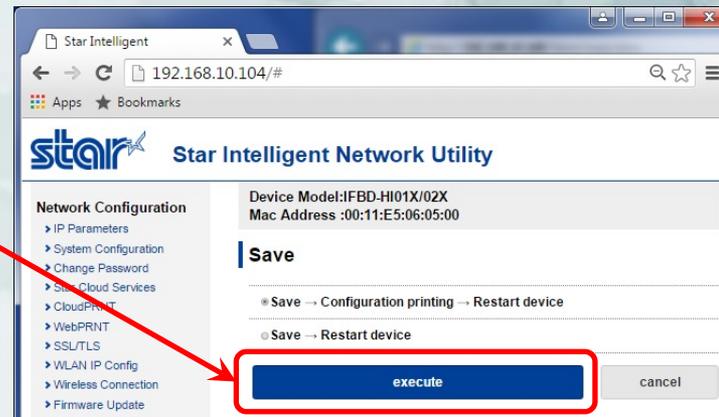
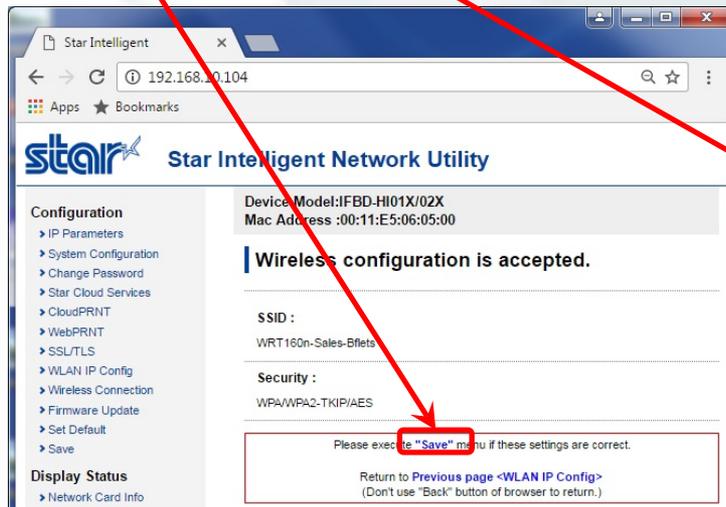


7) Select SSID of your WiFi Router, and put Key, then click "connect".



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8) Click **“Save”**, then Click **“execute”**.



9) WiFi setting is finished.

Turn OFF the printer power, and remove Wired LAN cable.

10) **Turn ON the Printer** with push **“FEED”** SW. (Self-Print)

You can confirm IP Address of Wireless LAN on the end of 2nd page.

```

Wireless LAN Network:
IP Address:    192.168.10.101 (DHCP)
Subnet Mask:   255.255.255.0
Gateway:      192.168.10.1
    
```

➤ How to setup WiFi Dongle (USB Memory)

✓ You can set WLAN settings by using USB Memory

• Procedure of WLAN setting by USB memory

1. An operator connects USB memory (FAT32 formatted) which has "*star-hix.conf*" file to printer with printer power OFF status.

2. Turn ON the printer with FEED button pushing. (Self printing is conducted.)

If USB memory is normally mounted, and "*star-hix.conf*" file parameter is correct, then below printing is conducted.

```
*****
      USB CONFIGURATION
*****
"To start configuration, please open printer cover
for more than 1 sec. and then close within 1min"
```

If there is no "*star-hix.conf*" file, or "*star-hix.conf*" file parameter is incorrect, printer prints "USB configuration mode cancelled" or "Authentication Error", and setting mode is canceled.

3. An operator executes printer cover open and close within one minute. If printer cover open and close is not executed within one minute, printer prints "USB configuration mode cancelled", and setting mode is canceled.

4. Printer starts setting to follow "*star-hix.conf*". When it finished normally, below printing is conducted.

```
"Applying settings. Please wait until the
device restarts and ready to use.
Changing Configuration Settings :
  設定した内容
You can disconnect USB device now"
```

USB memory can be taken out after this printing.

5. Printer reboots automatically. Then setting are changed.

➤ How to setup WiFi Dongle (USB Memory)

✓ USB memory can be taken out after this printing.

- Configuration file specification

- ◆ File name : *star-hix.conf* (fixed)
- ◆ File path : root directory of USB memory (fixed)
- ◆ File format : text file, field name and value must be divided by semicolon.

	Field Name	
Root password (with SHA256)	auth	An SHA256 hash of the root password. If supplied then this must match the printer internally stored hash. If they do not match, then settings will not be installed. If not provided, then the password is not checked, so the user confirmation must be relied on alone to approve the configuration change. Some settings will not be applied if no auth field is provided. (*)
	ssid	SSID of the Wireless network to connect to.
WLAN setting	security	Set to OPEN, WEP-OPEN, WEP-KEY, WPA-PSK or WPA2-PSK to specify the security type.
	defwepkey	In a WEP-KEY (WEP with key) network, this specifies a value from 1 to 4 to indicate the default key to use.
	encryption	In a WPA or WPA2 network, specify the encryption method to use, either TKIP, or AES
	key	Specify the pre-shared key for this network. The key format will be determined b the length.
	wifi-ip	Specify "DHCP" to use DHCP assigned address, or set to a valid IP address to use static IP
	wifi-subnet	Specify the subnet address, if a fixed IP was specified for the ip field. If ip is set to DHCP, then this field is ignored.
	wifi-gateway	Specify the gateway address, if a fixed IP was specified for the ip field. If ip is set to DHCP, then this field is ignored.
	eth-ip	Specify "DHCP" to use DHCP assigned address for Ethernet, or set to a valid IP address to use static IP
	eth-subnet	Specify the Ethernet subnet address, if a fixed IP was specified for the eth-ip field. If eth-ip is set to DHCP, then this field is ignored.
	eth-gateway	Specify the Ethernet gateway address, if a fixed IP was specified for the eth-ip field. If eth-ip is set to DHCP, then this field is ignored.
Password setting(*)	rootpassword	Set a new 'root' user password for accessing the configuration UI. This setting will only be applied if the auth field was also supplied. (*)
	userpassword	Set a new 'user' user password for accessing port 22222 functions. This setting will only be applied if the auth field was also supplied. (*)
USB memory setting function valid/invalid	usbconfig	Set to ENABLE or DISABLE to control the USB configuration function. If set to DISABLE, then USB configuration will be blocked after settings are applied. To re-enable, a user will have to log-in to the WEB configuration UI and manually enable the ""USB Configuration"" option.

➤ "*star-hix.conf*" example :

```
# Configuration file for star-hix
# Configured by USB stick.
#
#WifiSettings
ssid: WRT160n-Sales-Bflets
security: WPA2-PSK
encryption: AES
key: 71428246
wifi_ip: DHCP
wifi_subnet:
wifi_gateway:
```

(*) It is possible to change under the condition that auth parameter setting is valid.