



Software Manual

Net Configuration Tool

POS Printer

Rev. 2.01

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1. Manual Information

This Net Configuration Tool Manual provides information on the utility program used to set printer operation conditions.

2. Operating System (OS) Environment

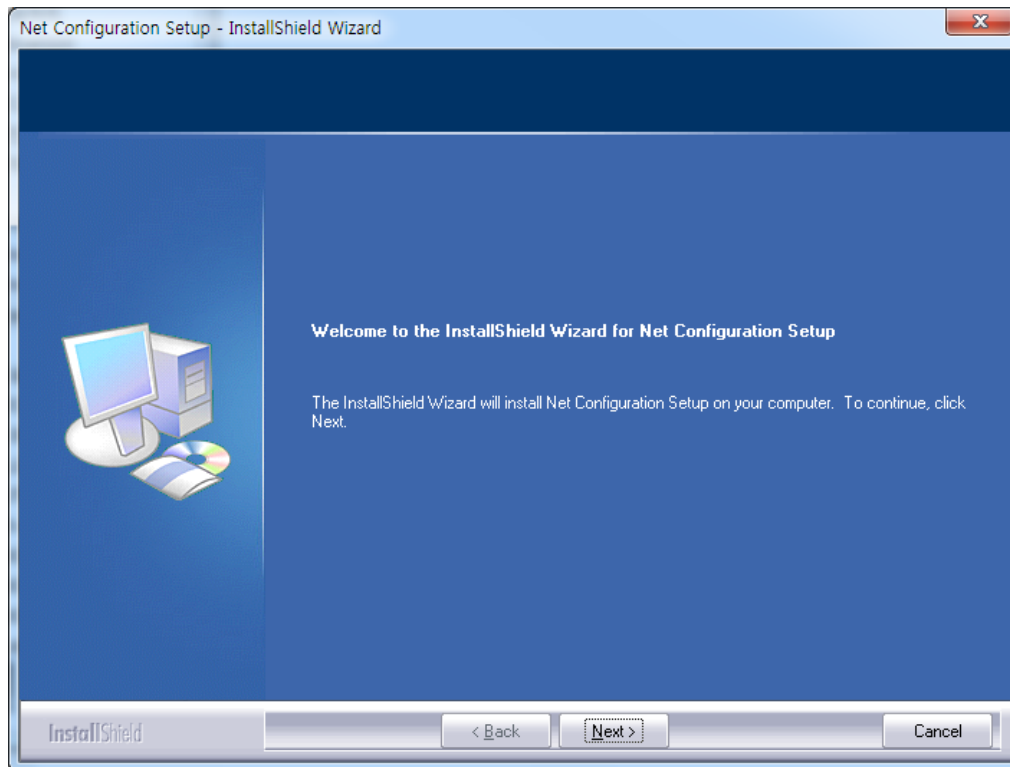
The following operating systems are supported for usage.

- Microsoft Windows XP (32bit/64bit)
- Microsoft Windows Server 2003 (32bit/64bit)
- Microsoft Windows Vista (32bit/64bit)
- Microsoft Windows Server 2008 (32bit/64bit)
- Microsoft Windows Server 2008 R2 (64bit)
- Microsoft Windows 7 (32bit/64bit)
- Microsoft Windows 8 (32bit/64bit)
- Microsoft Windows Server 2012 (64bit)

3. Software Installation & Uninstallation

3-1 Installation

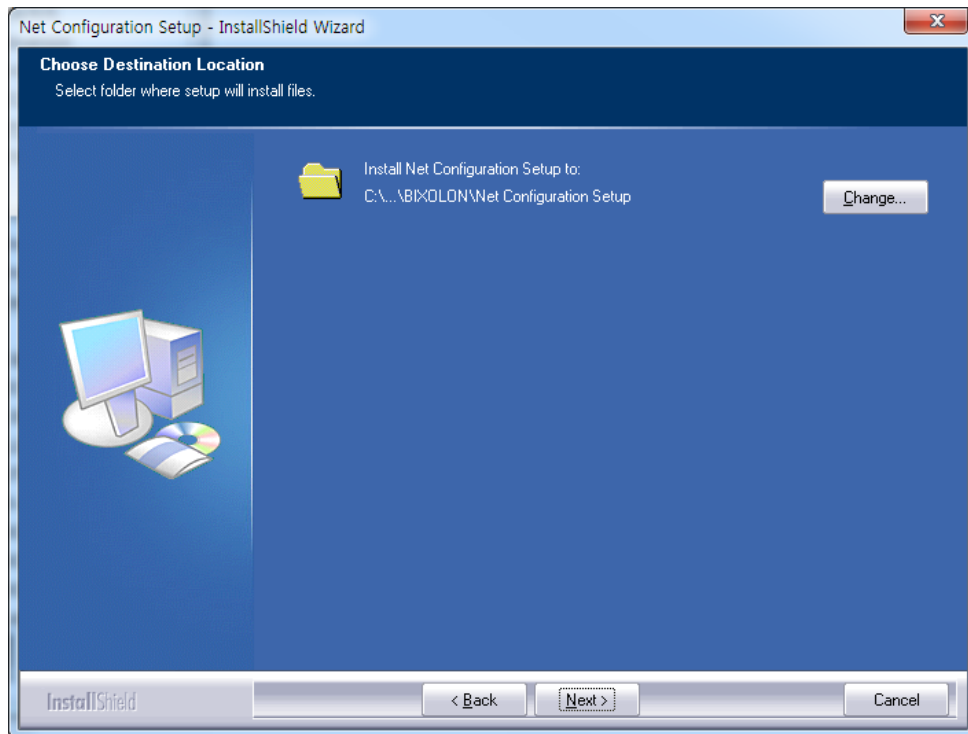
- 1) Execute the “Net Configuration Setup_V2.x.x.exe” file.
(This file must first be downloaded.)
- 2) Click the “Next” button.



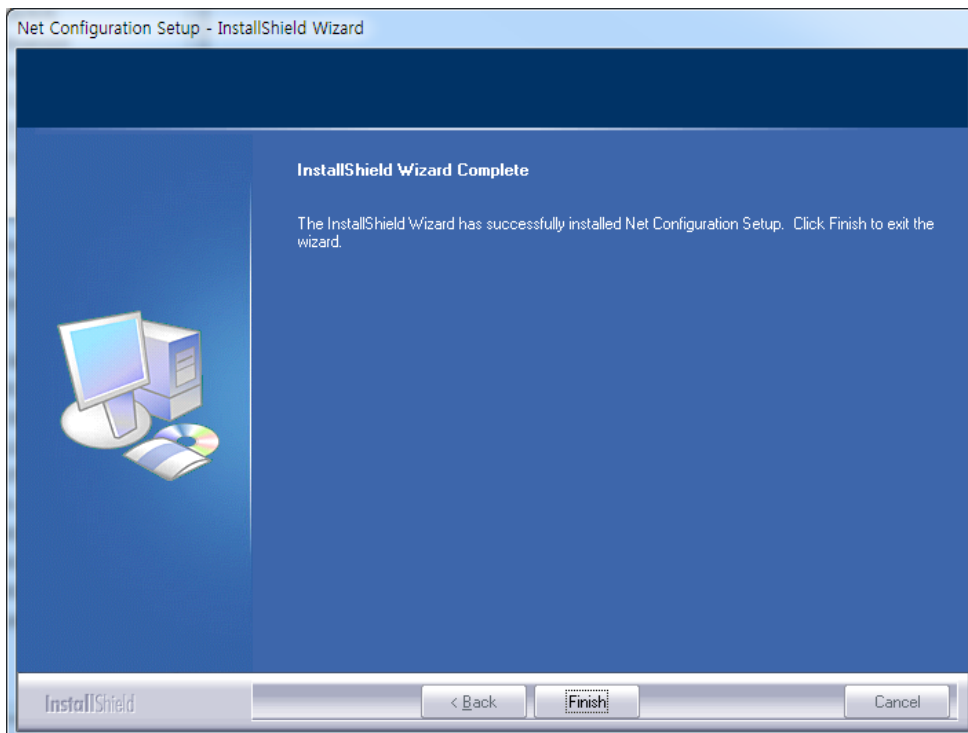
Net Configuration Tool

3) Click the “Next” button.

(Install to: C:\Program Files\ BIXOLON \ Net Configuration Setup\)



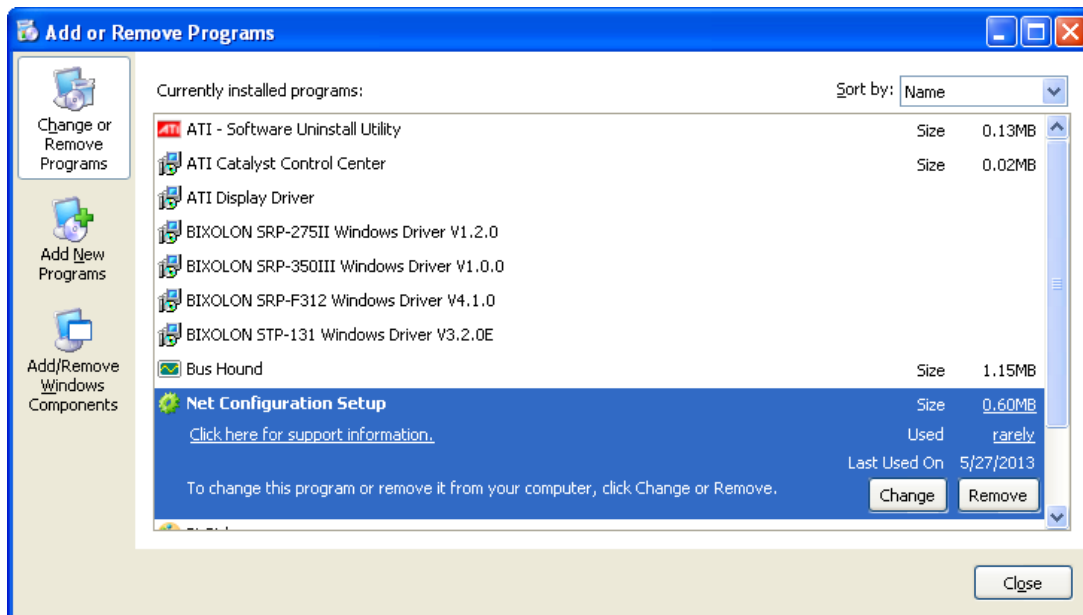
4) The following message appears upon the successful completion of installation.



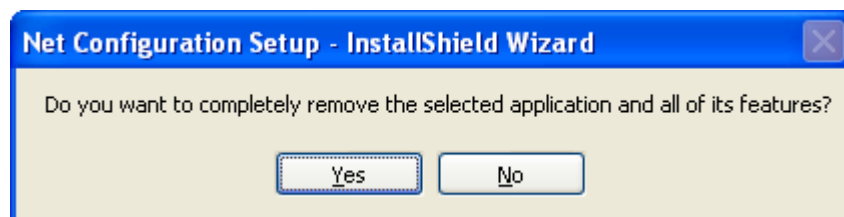
3-2 Uninstallation

(1) Windows XP

- 1) Click and activate the “Add/Remove Programs” icon in the Control Panel.
- 2) Select “Net Configuration Setup” and click the “Change/Remove” button.

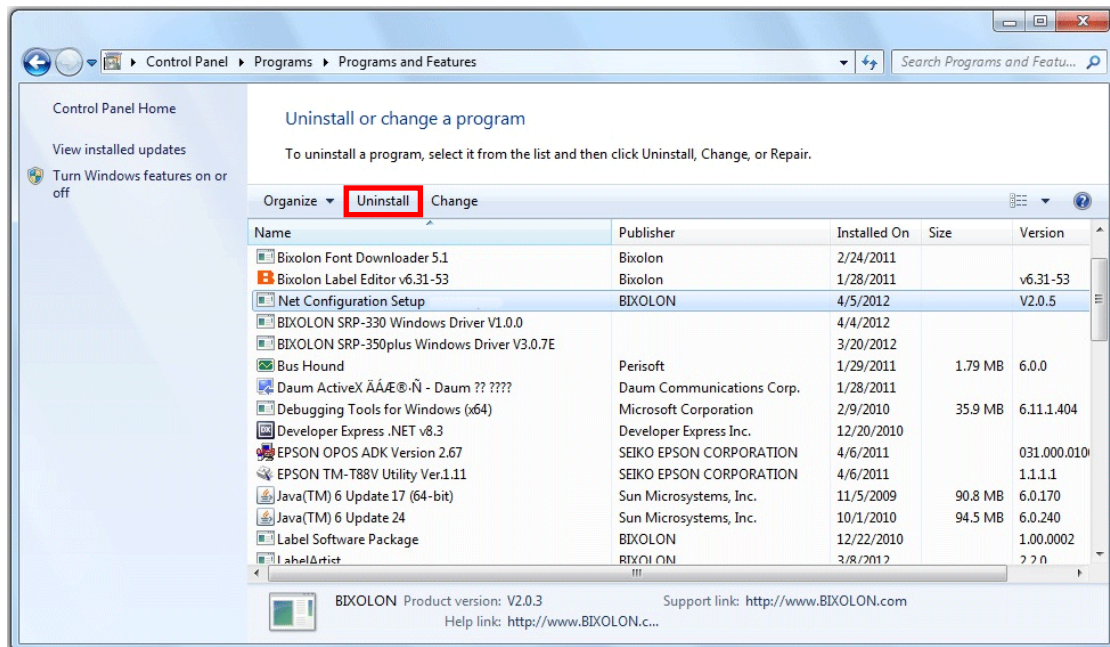


- 3) Click the “Yes” button to completely remove the application.

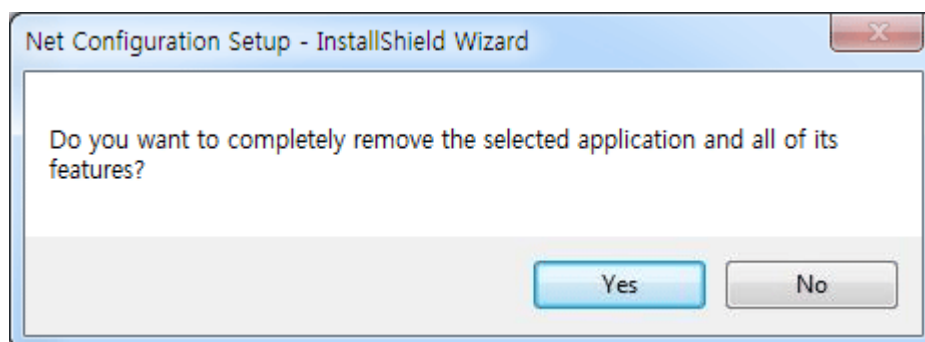


(2) Windows 7

- 1) Click and activate the “Programs and Features” icon in the Control Panel.
- 2) Select “Net Configuration Setup” and click the “Uninstall” button.



- 3) Click the “Yes” button to completely remove the application.



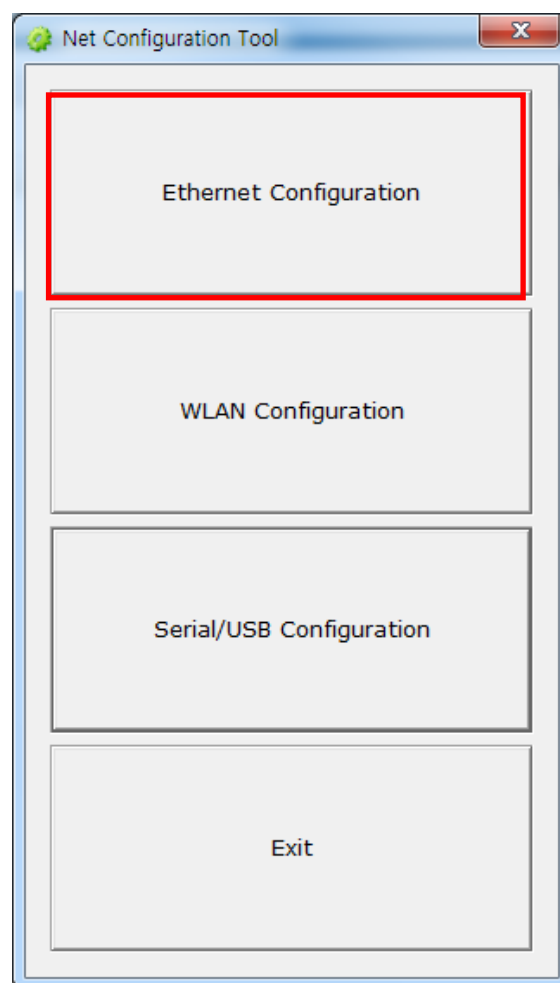
4. Configuration Tool

4-1 Configuration Tool

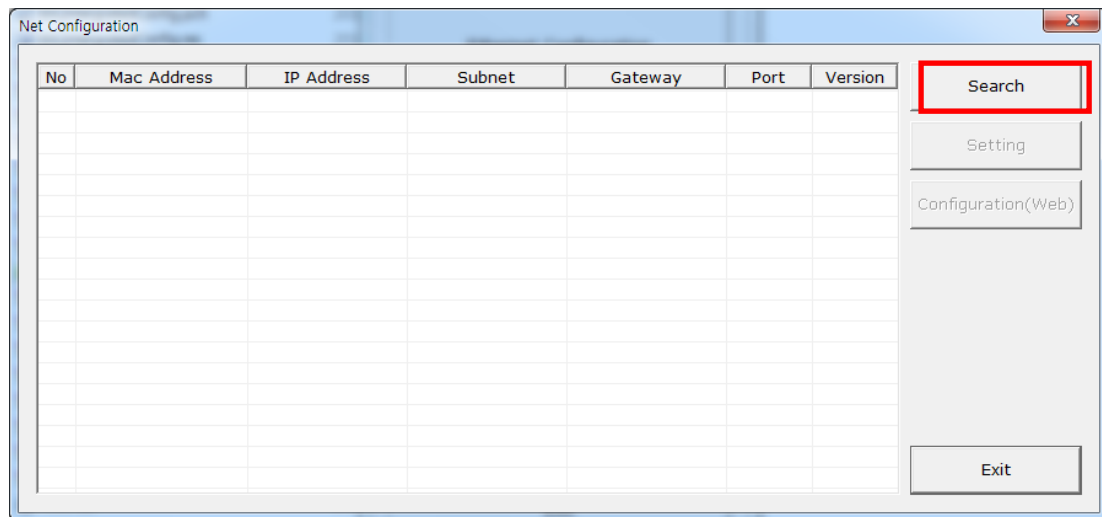
Install and execute Net Configuration Setup_V2.x.x.exe involved in CD.
(Start>> BIXOLON >> Net Configuration.exe)

Click the Ethernet Configuration button when the printer is connected to the Ethernet, or click the WLAN button when the printer is connected through WLAN.

4-1-1 Ethernet Configuration



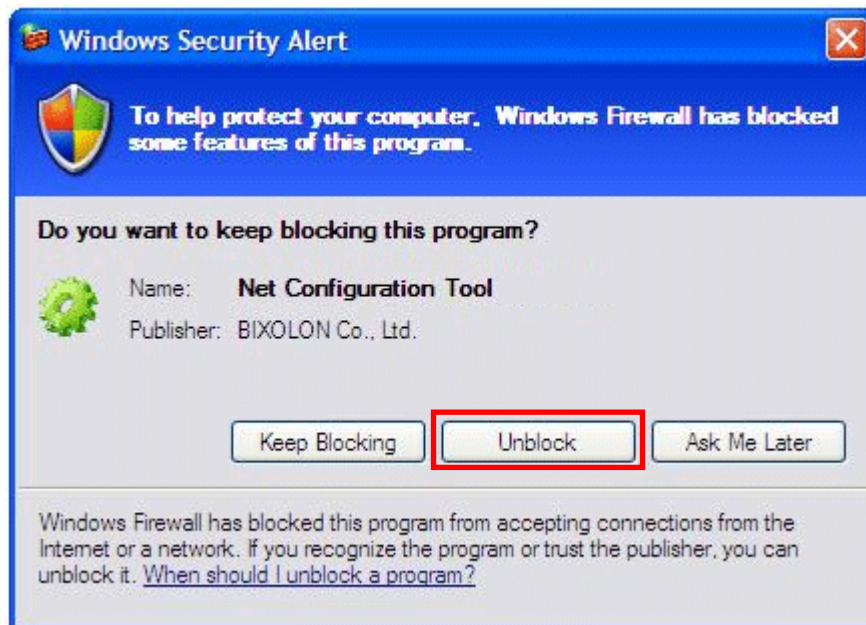
Net Configuration Tool



When you press the Search button, the printer connected to the network will be shown in the list.

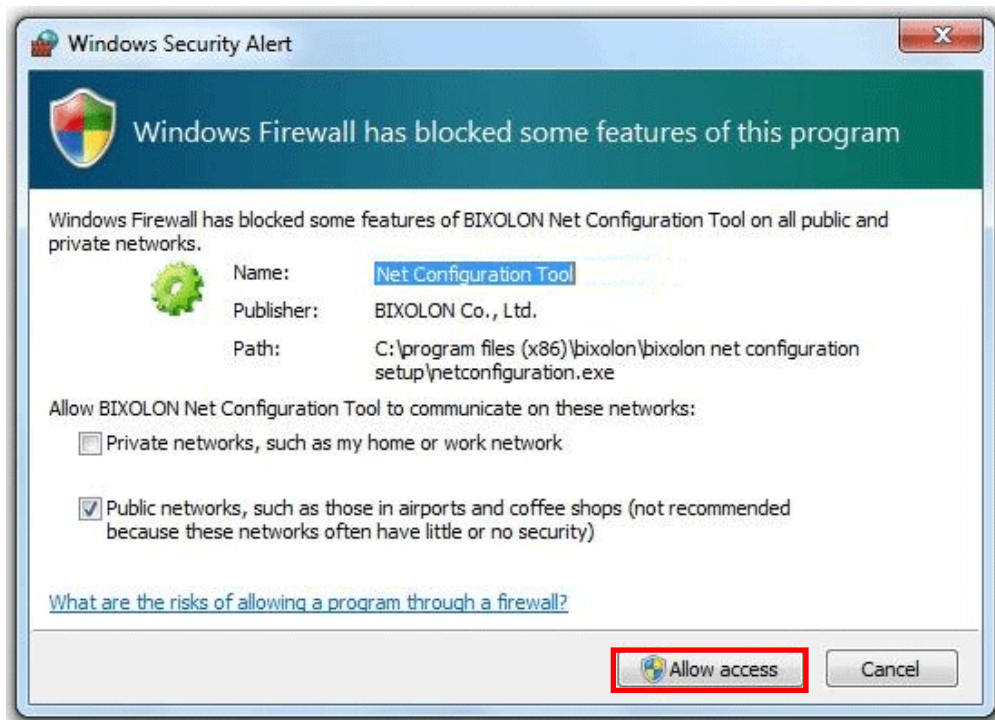
The following warning message may pop up if the firewall is installed.

(1) Windows XP

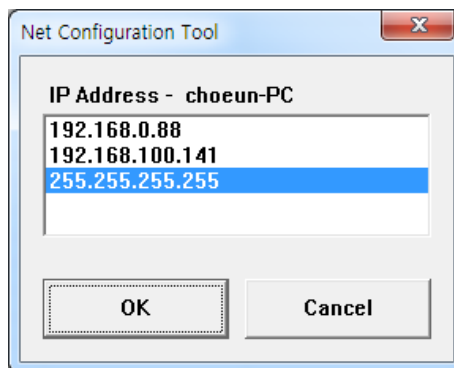


Select [Unblock], and then retry the Search operation.

(2) Windows 7

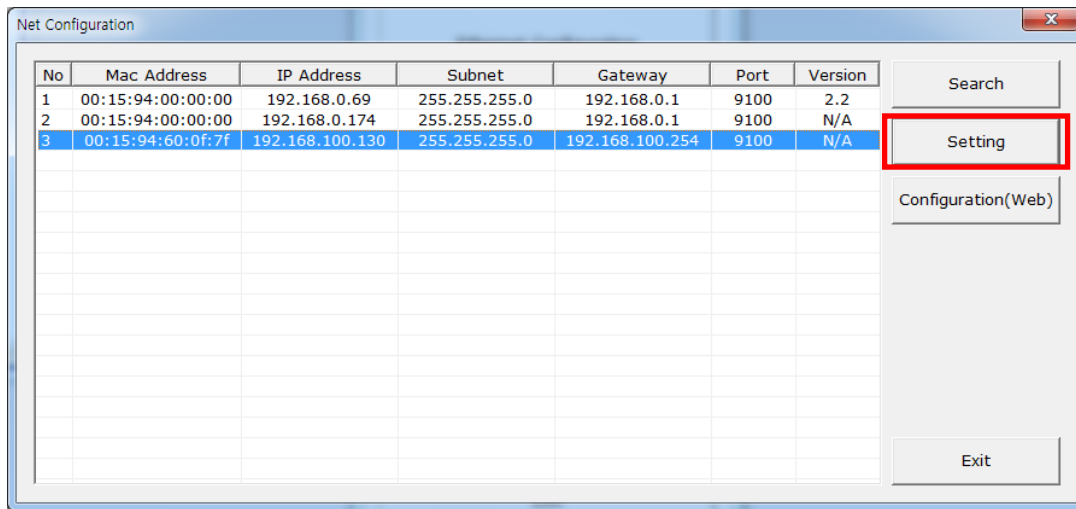


Select [Allow access], and then retry the Search operation.

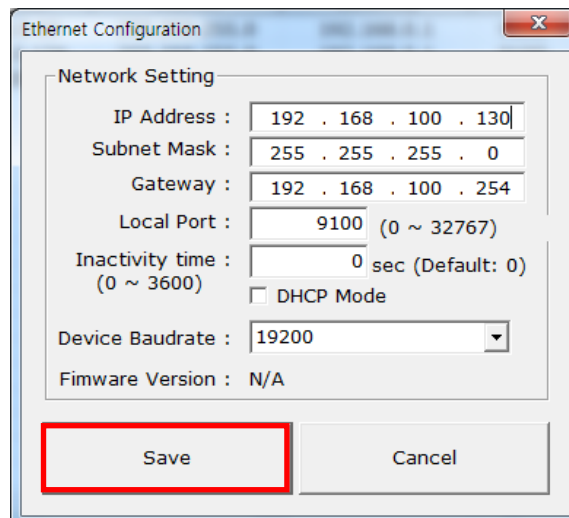


Select the IP address from the list to search the printer and click the "OK" button. The list of printers connected to the selected IP will be displayed.

Net Configuration Tool



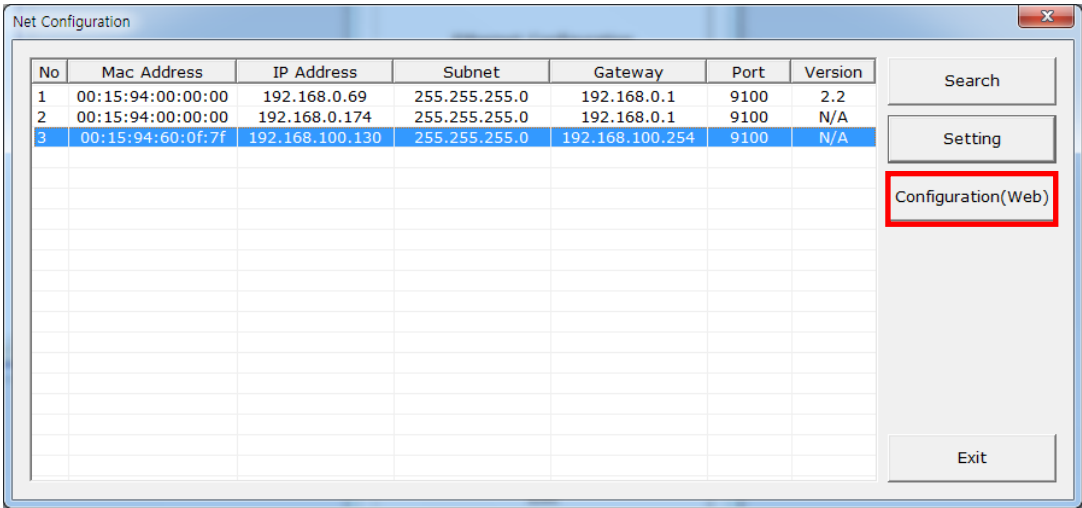
Select the printer from the list and press the [Setting] button, and then the following window for setting Ethernet settings will pop up.



Enter the proper IP Address, Subnet Mask, and Gateway for the currently used network, and then press the Save button to save the settings.

(Device Baudrate setting, which is used for other models, is not necessary for our printer.)

Net Configuration Tool



Select the printer from the list and press the [Configuration(Web)] button you will see the web browser for changing the Ethernet and WLAN settings as shown below.

(1) SRP-350 series / SRP-350plus series / SRP-330

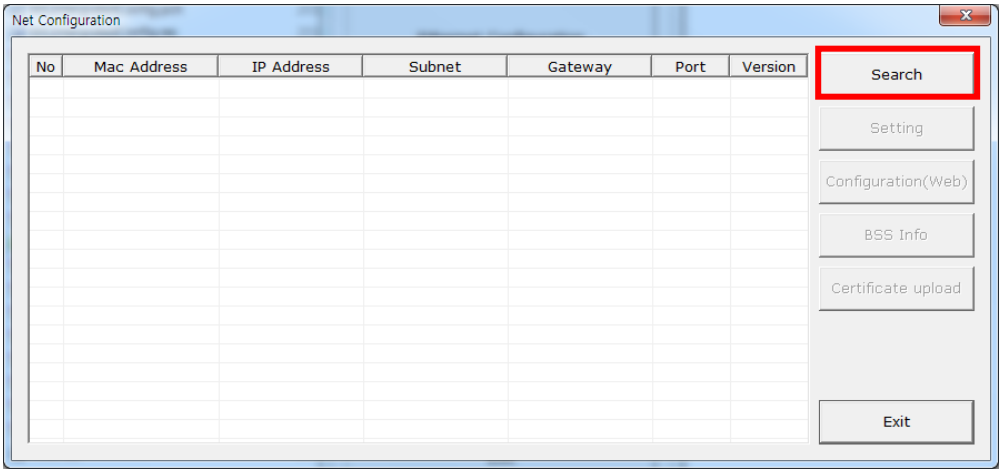
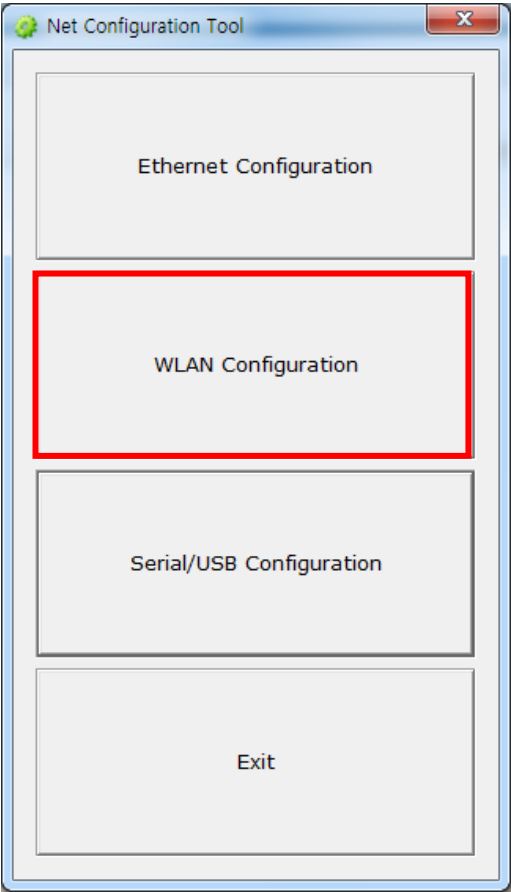
Configuration	
F/W ver.	2.1
MAC	00:15:94:50:2F:C1
Source IP	<input type="text" value="192.168.100.130"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Gateway IP	<input type="text" value="192.168.100.254"/>
Local Port	<input type="text" value="9100"/>
Inactivity Time	<input type="text" value="0"/>
DHCP mode	<input type="checkbox"/>
<input type="button" value="Apply"/>	

(2) SRP-F310 series

The screenshot shows a web browser window with the address bar displaying `http://192.168.100.130`. The page title is "BIXOLON Configuration". On the left, there is a sidebar with two menu items: "Lan configuration" (highlighted in orange) and "Wireless Lan configuration". The main content area displays contact information for BIXOLON in three locations: Headquarters, America Inc., and Europe GmbH. At the bottom, a footer states "Copyright 2009 BIXOLON. All Rights Reserved".

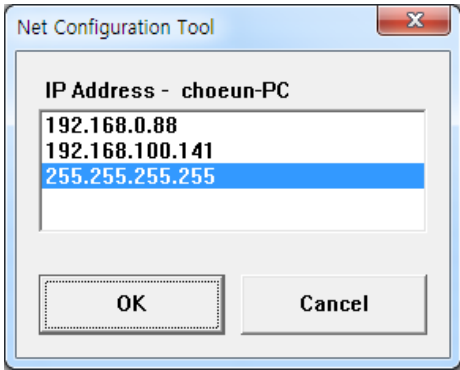
BIXOLON Configuration	
Lan configuration	BIXOLON Headquarters Address: 685, 7th FL, MiraeAsset Venture Tower, Sampyeong-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea 463-400 Tel : +82 (0) 31 218 5500 Fax: +82 (0) 31 218 5589 Website: www.bixolon.com e-mail sales@bixolon.com
Wireless Lan configuration	BIXOLON America Inc. Address: 3171 Fujita St Torrance, CA 90505 Tel : +1 858 764 4580 Fax: +1 310 257 6869 Website: www.bixolonusa.com e-mail sales@bixolonusa.com
	BIXOLON Europe GmbH Address: Tiefenbroicher Weg 35 40472 Düsseldorf Tel : +49-(0)211-68 78 54-0 Fax: +49-(0)211-68 78 54-20 e-mail sales@bixolon.de
Copyright 2009 BIXOLON. All Rights Reserved	

4-1-2 WLAN Configuration

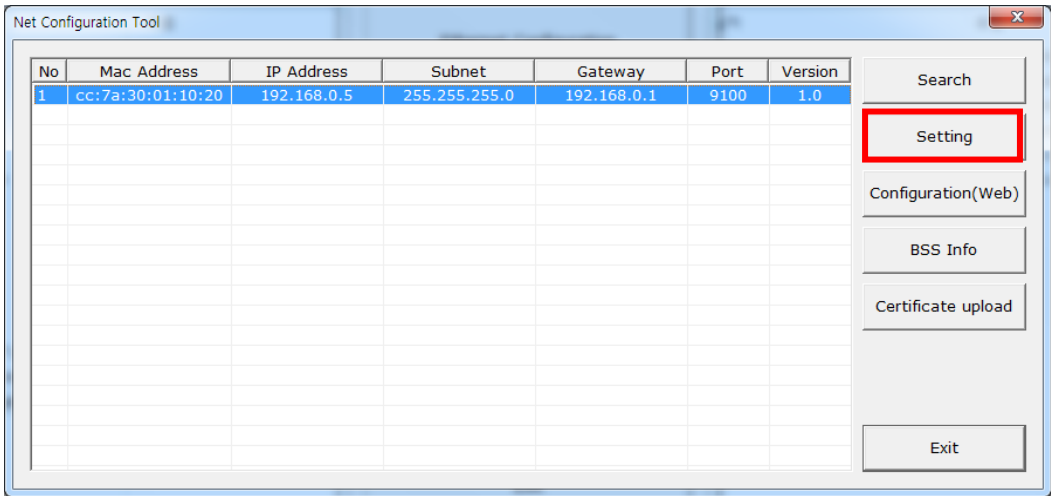


When you press the Search button, the printer connected to the network will be shown in the list.

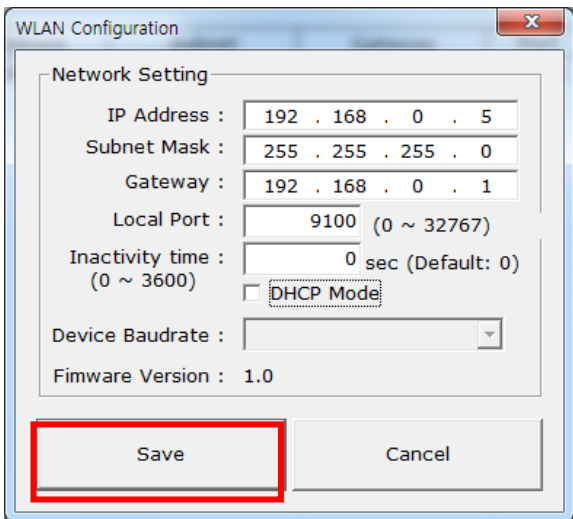
Net Configuration Tool



Select the IP address from the list to search the printer and click the "OK" button. The list of printers connected to the selected IP will be displayed.



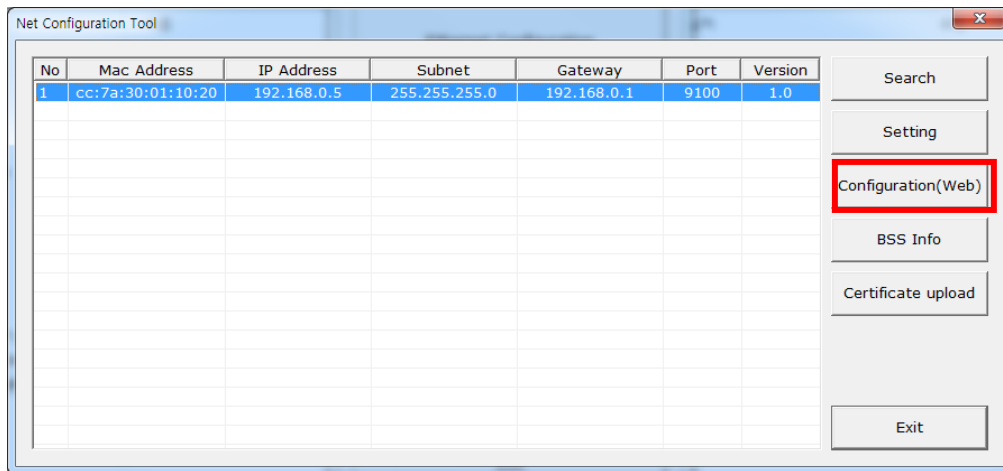
Select the printer from the list and press the [Setting] button, and then the following window for changing the WLAN settings will pop up.



Net Configuration Tool

Enter the proper IP Address, Subnet Mask, and Gateway of the currently used network, and then click the [Save] button to save the settings.

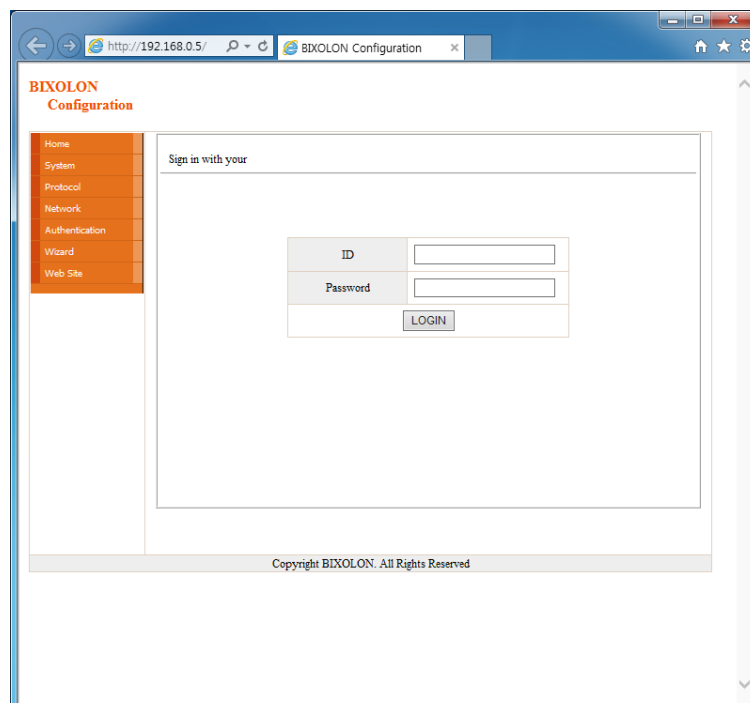
(Device Baudrate setting, which is used for other models, is not necessary for our printer.)



Select the printer from the list and press the [Configuration(web)] button, and then the Login window will pop up.

Enter the ID and Password set in the printer, and click OK.

(Default settings are ID: "admin", Password: "password")



Net Configuration Tool

When you log in, you will see the web browser for changing the WLAN settings as shown below.

Browser address bar: <http://192.168.0.5/>

Page Title: BIXOLON Configuration

Left Sidebar Menu:

- Home (Selected)
- System
- Protocol
- Network
- Authentication
- Wizard
- Web Site

Main Content Area:

Home

System Information

Printer Name	
Printer Port Num	9100

Protocol Information

HTTPS	Disable	FTP	Disable
TELNET	Disable	SNMP	Disable

Network Information

SSID	EXLSW
IP Assignment Method	Automatic Allocation(DHCP)
IP ADDRESS	192 . 168 . 0 . 5

Authentication Information

Authentication	Shared Key	EAP Mode	NONE
Cryptograph	WEP64/128		

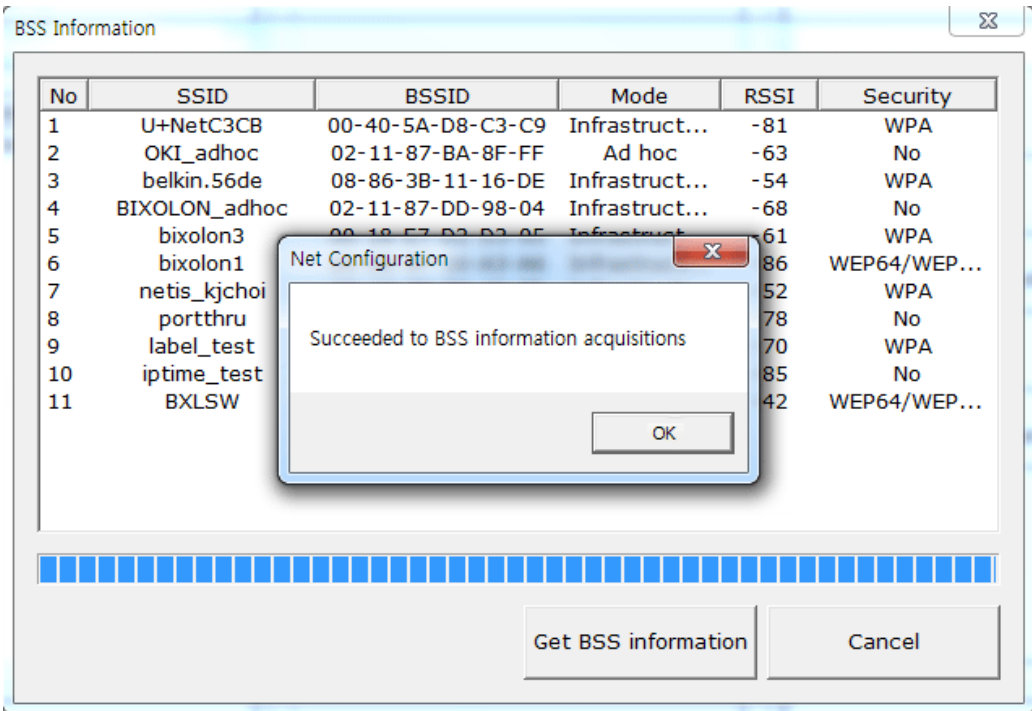
Copyright BIXOLON. All Rights Reserved

You can search for the information of the wireless network by pressing the BSS Info button.

[illegible]

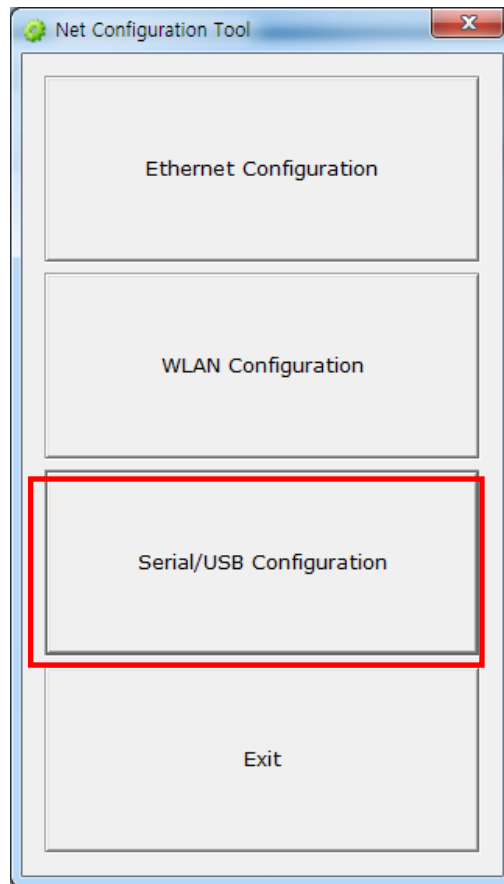
Net Configuration Tool

When you press the BSS Info button, information about the SSID, BSSID, Network Model, and Encryption information of the network in close range will be shown as follows.



4-1-3 Serial/ USB Configuration

Connect to Serial/USB cable, then click “Serial/USB Configuration”.



Net Configuration Tool

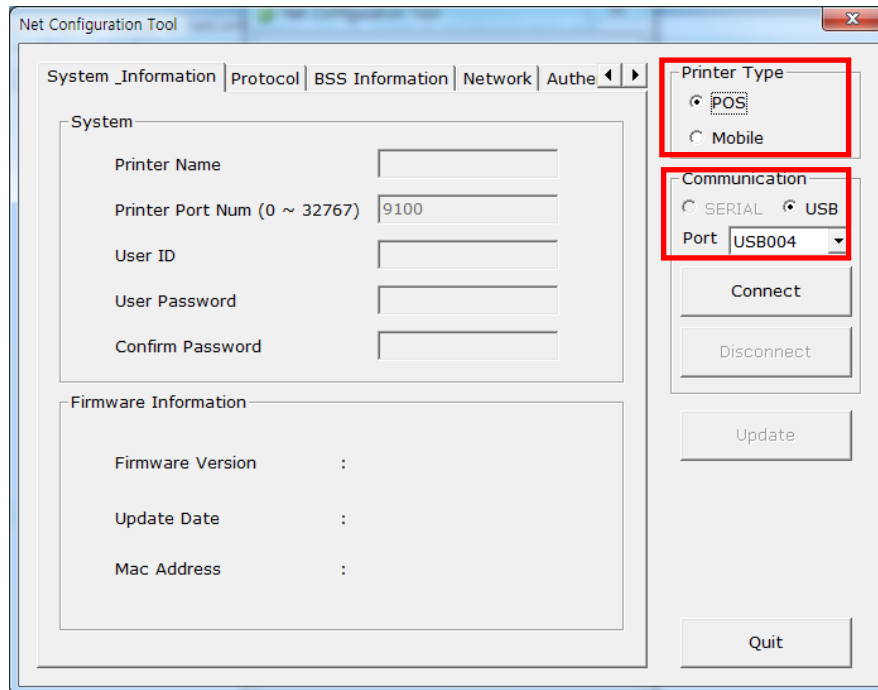
(1) Choose "POS" as the Printer Type.

Choose the "Port", then click "Connect".

(You can only use USB cable for POS Printer.)

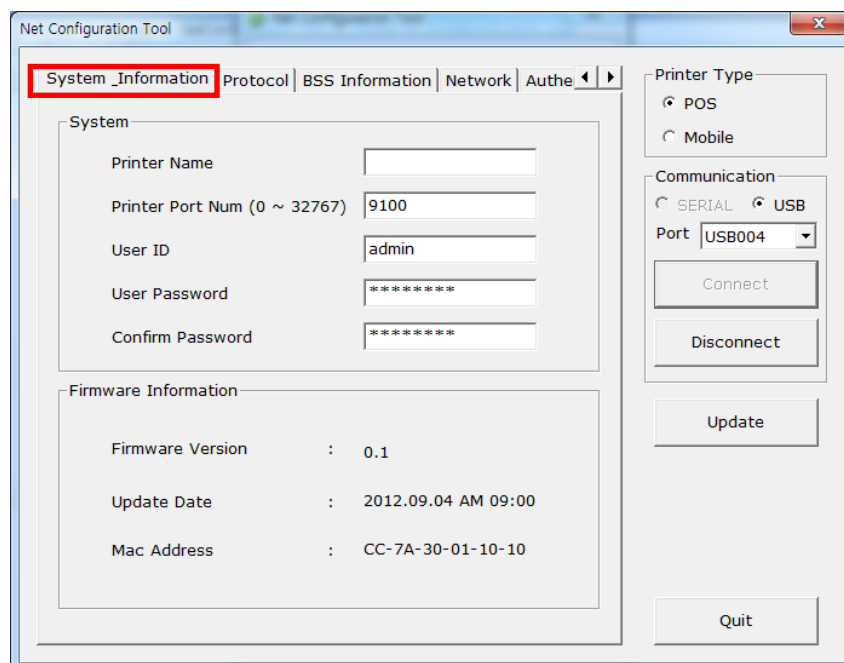
If it is properly connected, "Succeeded to printer connection" will be shown.

Then the configuration of the printer will be listed.



(2) System & Information

Printer Name, Printer Port, User ID, User password can be set.



Net Configuration Tool

(3) Protocol

You can set HTTPS, TELNET, FTP and SNMP protocol as able or disable.
SNMP can be also set.

The screenshot shows the 'Protocol' tab of the 'Net Configuration Tool'. The 'Task State' section contains four dropdown menus: HTTPS (Disable), TELNET (Disable), FTP (Disable), and SNMP (Disable). The 'SNMP' section has four text input fields: 'Community Name (Read):' with 'public', 'Community Name (Write):' with 'private', 'Trap IP Address' with '0 . 0 . 0 . 0', and 'Trap Community' with 'public'. On the right, the 'Printer Type' has radio buttons for 'POS' (selected) and 'Mobile'. The 'Communication' section has radio buttons for 'SERIAL' and 'USB' (selected), and a 'Port' dropdown set to 'USB004'. Buttons for 'Connect', 'Disconnect', 'Update', and 'Quit' are on the right.

(4) BSS Information

When you click “Get BSS information”, close AP information will be listed.

The screenshot shows the 'BSS Information' tab of the 'Net Configuration Tool'. It displays a table of BSS information with columns: No, SSID, BSSID, MODE, RSSI, and Sec. The table contains 8 rows of data. Below the table is a 'Get BSS information' button. On the right, the 'Printer Type' has radio buttons for 'POS' (selected) and 'Mobile'. The 'Communication' section has radio buttons for 'SERIAL' and 'USB' (selected), and a 'Port' dropdown set to 'USB004'. Buttons for 'Connect', 'Disconnect', 'Update', and 'Quit' are on the right.

No	SSID	BSSID	MODE	RSSI	Sec
1	belkin.56de	08-86-3B-11-...	Infrastr...	-60	WF
2	netis_kjchoi	08-10-76-80-...	Infrastr...	-65	WF
3	BXLSW	00-08-9F-D2-...	Infrastr...	-43	WE
4	portthru	D2-4B-04-BD...	Ad hoc	-78	N
5	LABEL_TEAM	08-10-76-80-...	Infrastr...	-71	WE
6	BIXOLON_POS	00-08-9F-2A-...	Infrastr...	-60	WE
7	BIXOLON4	00-08-9F-31-...	Infrastr...	-82	WE
8	U+NetC3CB	00-40-5A-D8...	Infrastr...	-76	WF

(5) Network

You can set Infrastructure/Adhoc, SSID, IP, Subnetmask and Gateway.

1) Inactivity Time

By setting "Inactivity Time", you can disconnect the printer to host device when the data is not transferred while inactivity time. If multiple host devices are used with one printer, "Inactivity Time" is recommended. (Other host devices are restricted to use a printer if one host device keep connecting to a printer.)

2) P2P Mode

Use P2P Channel when configuring Wi-Fi Direct channels.

P2P Conn Mode is classified into PIN or PBC type.

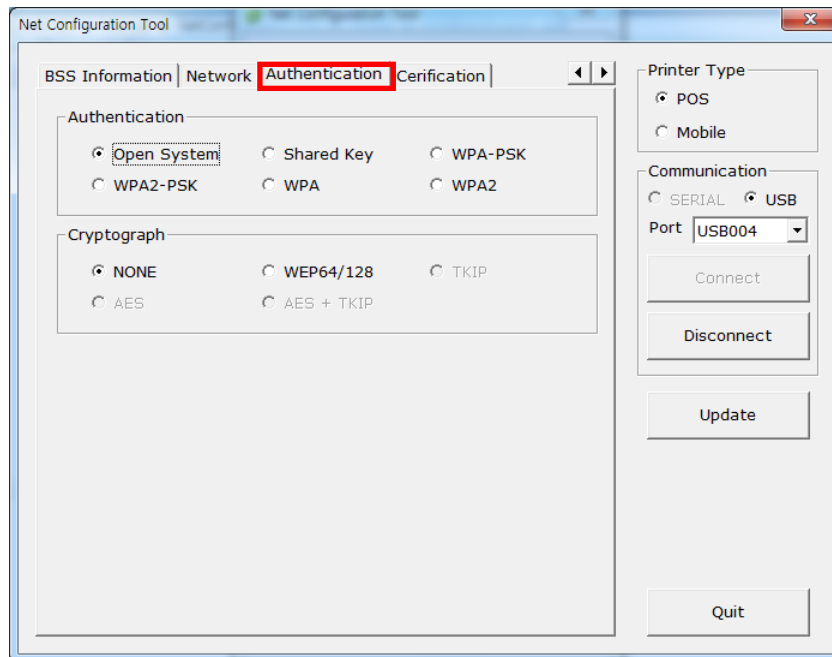
- PIN Type: PIN Type: Enter the same PIN CODE you set for "P2P PIN" on your smartphone using the utility to connect.
(PIN CODE must be entered in four- or eight-digit format.)
- PBC Type : PBC Type: Accept the request for approval on your smart phone to connect.

The screenshot shows the 'Net Configuration Tool' window with the 'Network' tab selected. The window has a title bar with 'Net Configuration Tool' and standard Windows window controls. The main area is divided into several sections:

- System Information | Protocol | BSS Information | Network | Authn**: The 'Network' tab is highlighted with a red box.
- Network Mode**: Contains three radio buttons: 'Infra Network' (selected), 'Adhoc', and 'P2P Mode'. The 'Adhoc' section has an 'Ad Hoc Channel' field with the value '6'. The 'P2P Mode' section has three fields: 'P2P Channel' (dropdown with '1'), 'P2P Conn Mode' (dropdown with 'PIN&PBC'), and 'P2P PIN' (text field with '12345678').
- IP Assignment Method**: Contains two radio buttons: 'Automatic Allocation(DHCP)' (selected) and 'Manual Allocation'.
- Network Setting**: Contains several fields: 'SSID' (text field with 'BXLWSW'), 'Inactivity Time (0~3600)' (text field with '0' and 'Sec (Default: 0)' label), 'IP Address' (text field with '192 . 168 . 0 . 6'), 'Subnet Mask' (text field with '255 . 255 . 255 . 0'), and 'Gateway' (text field with '192 . 168 . 0 . 1').
- Printer Type**: Contains two radio buttons: 'POS' (selected) and 'Mobile'.
- Communication**: Contains two radio buttons: 'SERIAL' and 'USB' (selected). Below them is a 'Port' dropdown menu with 'USB004' selected.
- Buttons**: On the right side, there are four buttons: 'Connect', 'Disconnect', 'Update', and 'Quit'.

(6) Authentication

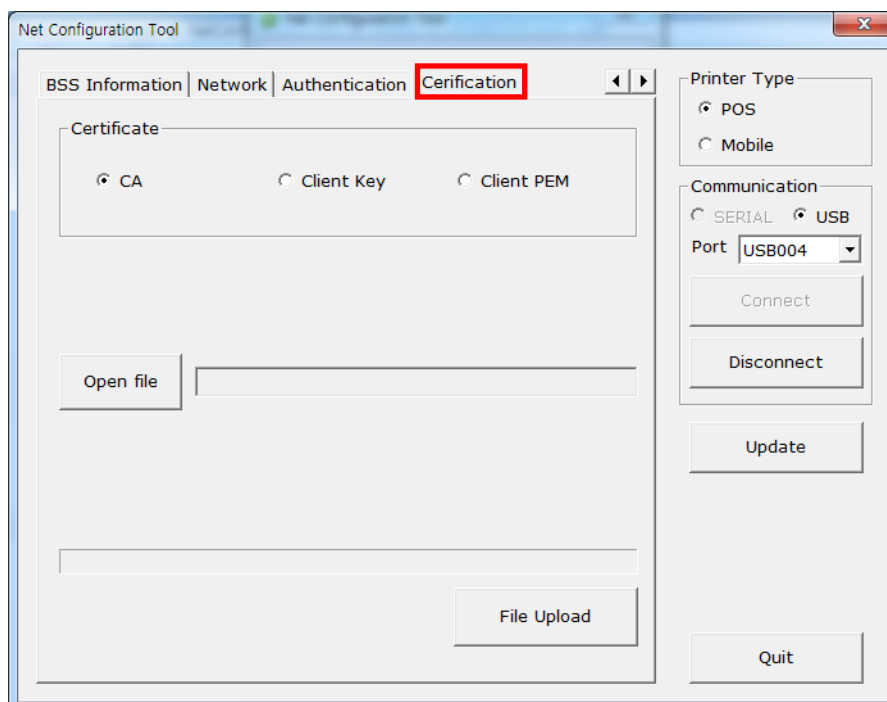
You can set Authentication and Cryptograph. If it is Infrastructure mode, you need to set Cryptograph with AP for proper connection. Then if it is Adhoc mode, you need to set Cryptograph with host device.



(7) Certificate

Printer can save the certificate file for EAP-TLS certification.

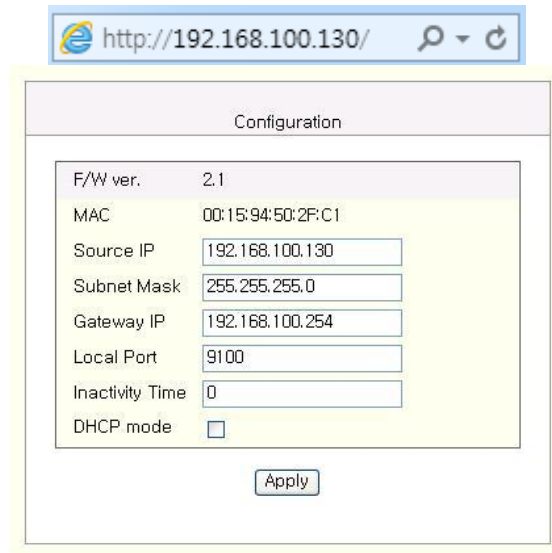
When you use TLS certification, CA certificate(PEM, Client Key(KEY/PEM), and client certificate(PEM) file should be uploaded. The key size of certificate recommended is 512. If the size of certificate is more than 512, it will take some time for EAP certification.



4-2 Web Server

(1) SRP-350 series / SRP-350plus series / SRP-330

- 1) Execute Internet Explorer.
- 2) Enter IP address of the printer at **Address** of Internet Explorer and click **go**.



The screenshot shows a web browser window with the address bar displaying 'http://192.168.100.130/'. Below the address bar is a 'Configuration' window. The window has a title bar 'Configuration' and a content area with the following fields:

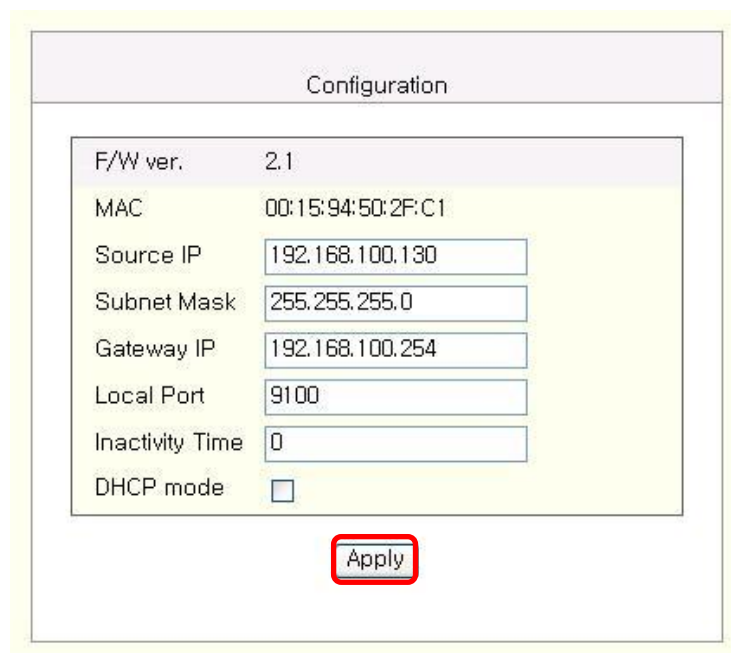
F/W ver.	2.1
MAC	00:15:94:50:2F:C1
Source IP	192.168.100.130
Subnet Mask	255.255.255.0
Gateway IP	192.168.100.254
Local Port	9100
Inactivity Time	0
DHCP mode	<input type="checkbox"/>

At the bottom of the configuration area is an 'Apply' button.

[Note]

- If you are not aware of IP address, check IP address by pushing Function key.
- Ask Network administrator IP Address and its related information.

- 3) When **Configuration** Window appears, enter new **Network Setting**.

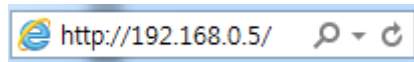


This screenshot is identical to the one above, showing the 'Configuration' window with the same fields and values. The 'Apply' button at the bottom is highlighted with a red rectangular box.

(2) SRP-F310 series

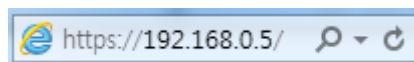
- 1) Execute Internet Explorer.
- 2) Enter IP address of the printer at **Address** of Internet Explorer and click **go**.

When SSL of the web-server is enabled,



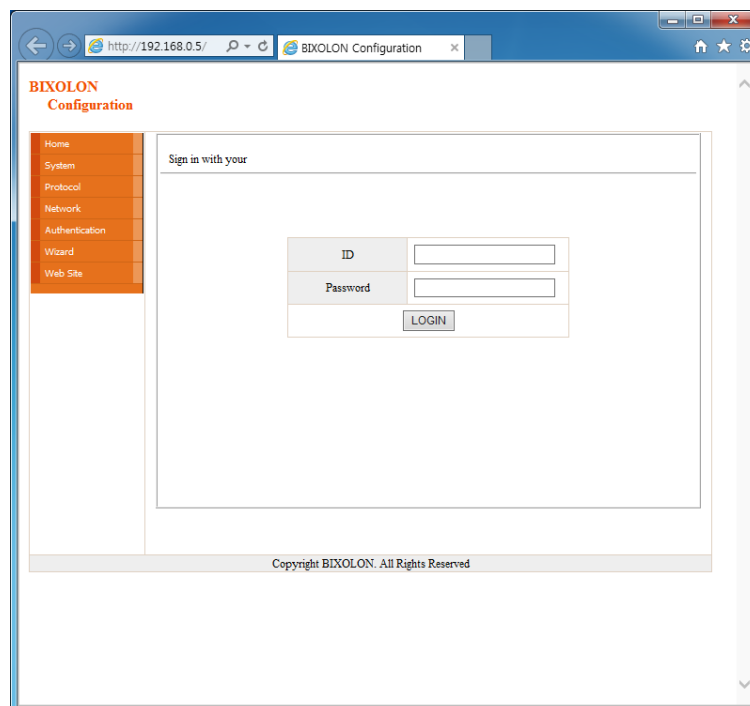
- * A security warning window will pop when you try to connect with https.
Accept the certificate provided by the printer in the warning window and continue.

When SSL of the web-server is disabled,



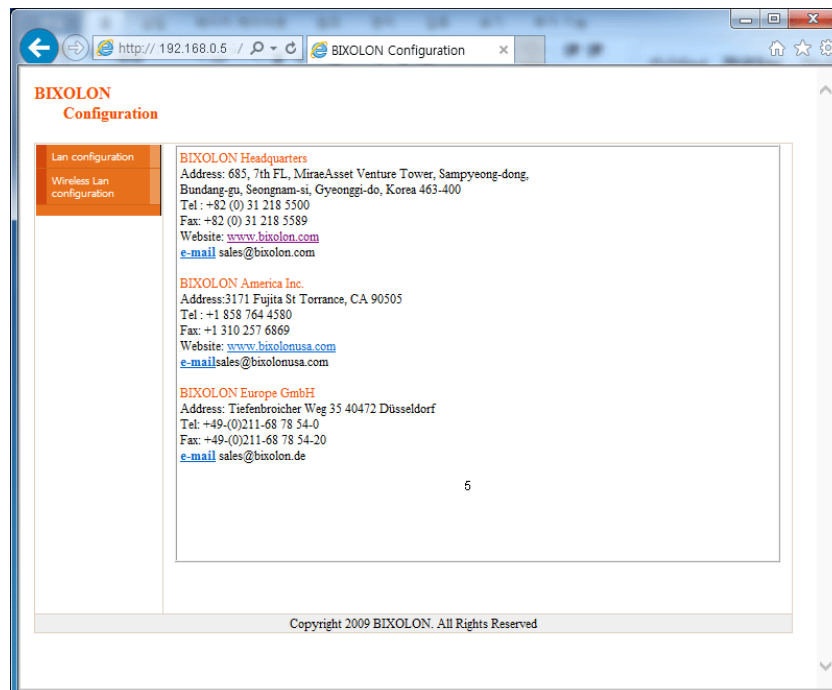
enter the IP address of the printer in the address bar, and the following login window will pop up.

Enter the ID and Password set for the printer, and then click [OK]
(Default setting values are ID: "admin", Password: "password".)



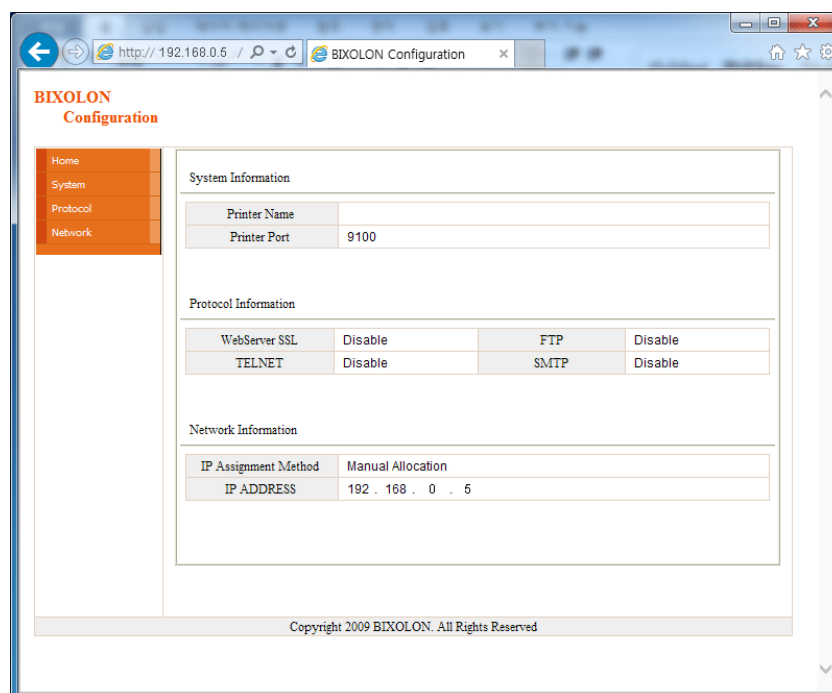
Net Configuration Tool

When the ID and Password match the ones registered in the printer, the following window will be opened.



Both LAN and WLAN can be configured from this window.

LAN Configuration Selection



Settings related to Home, System, Protocol, and Network (LAN) can be configured in this window.

Wireless LAN selection

The screenshot shows a web browser window with the address bar displaying 'http://192.168.0.5' and the page title 'BIXOLON Configuration'. The interface has a sidebar menu on the left with options: Home, System, Protocol, Network (highlighted), Authentication, and Wizard. The main content area is titled 'BIXOLON Configuration' and contains several sections:

- System Information:**

Printer Name	
Printer Port	9100
- Protocol Information:**

WebServer SSL	Disable	FTP	Disable
TELNET	Disable	SMTP	Disable
- Network Information:**

SSID	BIXOLON
IP Assignment Method	Manual Allocation
IP ADDRESS	192 . 168 . 0 . 5
- Authentication Information:**

Authentication	Open System	EAP Mode	None
Cryptograph	None		

At the bottom of the page, there is a copyright notice: 'Copyright 2009 BIXOLON. All Rights Reserved'.

Home, System, Protocol, Network (WLAN), and Authentication can be configured from this window, and the wizard mode is also provided for easier step by step configuration.

[Note]

More information about options, please refer to 'Ethernet Interface Manual' or 'Network User Manual'.