

Software Manual Net Configuration Tool

Rev. 3.01

http://www.bixolon.com

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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 SP3 Over (32bit/64bit)
- Microsoft Windows Server 2003 SP1 Over (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)
- Microsoft Windows 10 (32bit/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 Setup - Install	et Configuration Setup - InstallShield Wizard				
	Welcome to the InstallShield Wizard for Net Configuration Setup The InstallShield Wizard will install Net Configuration Setup on your computer. To continue, o Next.	slick			
InstallShield	< Back Next Car	icel			

3) Click the "Next" button. (Install to: C:\Program Files\ BIXOLON \ Net Configuration Setup\)

Net Configuration Setup - Instal	Net Configuration Setup - InstallShield Wizard					
Choose Destination Location Select folder where setup will in	n stall files.					
	Install Net Configuration Setup to: C:\\BIXOLON\Net Configuration Setup	<u>C</u> hange				
InstallShield	< Back Next >	Cancel				

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

Net Configuration Setup - InstallS	hield Wizard
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed Net Configuration Setup. Click Finish to exit the wizard
	wizard.
InstallShield	< Back Finish Cancel

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 "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.

Control Panel Home View installed updates Turn Windows features on or	Uninstall or change a program To uninstall a program, select it from the list and t	hen click Uninstall, Change, or Repair.			
off	Organize 🔻 Uninstall Change				= • (
	Name	Publisher	Installed On	Size	Version
	Bixolon Font Downloader 5.1	Bixolon	2/24/2011		
	Bixolon Label Editor v6.31-53	Bixolon	1/28/2011		v6.31-53
	Net Configuration Setup	BIXOLON	4/5/2012		V2.0.5
	BIXOLON SRP-330 Windows Driver V1.0.0		4/4/2012		
	BIXOLON SRP-350plus Windows Driver V3.0.7E		3/20/2012		
	🖾 Bus Hound	Perisoft	1/29/2011	1.79 MB	6.0.0
	🛃 Daum ActiveX ÄÁÆ®·Ñ - Daum ?? ????	Daum Communications Corp.	1/28/2011		
	Debugging Tools for Windows (x64)	Microsoft Corporation	2/9/2010	35.9 MB	6.11.1.404
	🔤 Developer Express .NET v8.3	Developer Express Inc.	12/20/2010		
	n PSON OPOS ADK Version 2.67	SEIKO EPSON CORPORATION	4/6/2011		031.000.0
	EPSON TM-T88V Utility Ver.1.11	SEIKO EPSON CORPORATION	4/6/2011		1.1.1.1
	🕌 Java(TM) 6 Update 17 (64-bit)	Sun Microsystems, Inc.	11/5/2009	90.8 MB	6.0.170
	🛓 Java(TM) 6 Update 24	Sun Microsystems, Inc.	10/1/2010	94.5 MB	6.0.240
	Label Software Package	BIXOLON	12/22/2010		1.00.0002
	■ I ahel∆rtist	RIXOLON	3/8/2012		220

3) Click the "Yes" button to completely remove the application.

Net Configuration Setup - InstallShield Wizard					
Do you want to completely remove the features?	selected application a	nd all of its			
	Yes	No			

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



1) 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.

t Config	juration		-				
No	Mac Address	IP Address	Subnet	Gateway	Port	Version	Search
							Setting
							Configuration(Web)
							Exit

• Windows XP

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

😺 Wind	🖗 Windows Security Alert 🛛 🛛 🔀					
۲	To help ; some fea	protect your computer, Windows Firewall has block tures of this program.	ed			
Do you	want to k	eep blocking this program?				
124	Name:	Net Configuration Tool				
20	Publisher:	BIXOLON Co., Ltd.				
		Keep Blocking Unblock Ask Me Later				
Window Internet unblock	s Firewall ha or a network it. <u>When sh</u>	as blocked this program from accepting connections from the c. If you recognize the program or trust the publisher, you can ould I unblock a program?				

• Windows 7

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

Windows Secu	Windows Security Alert					
Windows Firewall has blocked some features of this program						
Windows Firewall h private networks.	nas blocked som	e features of BIXOLON Net Configuration Tool on all public and				
	Name:	Net Configuration Tool				
	Publisher:	BIXOLON Co., Ltd.				
	Path:	C:\program files (x86)\net configuration setup \netconfiguration.exe				
Allow BIXOLON Ne	t Configuration	Tool to communicate on these networks:				
Private netv	vorks, such as n	ny home or work network				
Public network because the	Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)					
What are the risks of allowing a program through a firewall?						
	Allow access					

2) 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					
IP Address - choeun	-PC				
192.168.0.4					
192.168.100.141					
,					
	1				
ОК	Cancel				

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

Ne	t Con	figuration Tool						x
	No	Mac Address	IP Address	Subnet	Gateway	Port	Version	Search
	1	00:15:94:00:00:00	192.168.100.130	255.255.255.0	192.168.100.254	9100	N/A	
								Setting
								Configuration(Web)
								Exit

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

Ethernet C	Configuration	×
Netv	vork Setting—	
	IP Address :	192 . 168 . 100 . 130
9	Subnet Mask :	255 . 255 . 255 . 0
	Gateway :	192 . 168 . 100 . 254
	Local Port :	9100 (0 ~ 32767)
Ina	activity time :	0 sec (Default: 0)
	(0 ~ 3600)	DHCP Mode
Devi	ce Baudrate :	19200 💌
Fimv	vare Version :	N/A
	Save	Cancel

- * By setting "Inactivity Time", you can disconnect the printer to host device when the data is not transferred while inactivity time.
- * Device Baudrate setting, which is used for other models, is not necessary for our printer.
- 5) 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.

Net Con	figuration Tool		200 - C - 2 - 2 - 2 - 2				X
No	Mac Address	IP Address	Subnet	Gateway	Port	Version	Search
1	00:15:94:00:00:00	192.168.100.130	255.255.255.0	192.168.100.254	9100	N/A	
							Setting
							Configuration(Web)
							Exit
1							

(1) POS Printer

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		

(2) POS Printer (SRP-F310/F312), Mobile Printer, Label Printer

((=) (=) 🥭 http://1	92.168.100 $\mathcal{P} - \mathcal{O}$ 🤗 BIXOLON Configuration ×	슈 ☆ 🌣
Kan Configuration	BIXOLON Headquarters Address: 683, 7th FL, MiraeAsset Venture Tower, Sampyeong-dong, Bundang-gu, Seongam-si, Gyeonggi-do, Korea 463-400 Tel: +82 (0) 31 218 5500 Fax: +82 (0) 31 218 5589 Website: www.bixolon.com BIXOLON America Inc. Address: 3171 Fujita St Torrance, CA 90505 Tel: +1 S18 764 4580 Fax: +310 0276 6869 Website: www.bixolonusa.com e-mailsales@bixolonusa.com BIXOLON Europe GmbH Address: Tiefenbroicher Weg 35 40472 Düsseldorf Tel: +49.(0)211-68 78 54-0 e-mail sales@bixolon.de	<u>∩ ☆</u> ⊕ ^
	Convrient 2009 BIXOLON All Rights Reserved	
	copyrigin 2009 Directory, run regins reserved	~

4-1-2 WLAN Configuration



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

Net Confi	iguration	- 21				×
No	Mac Address	IP Address	Subnet	Gateway	Port Version	Search
						Setting
						Configuration(Web)
						BSS Info
						Certificate upload
						Exit

2) 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	×
IP Address - choe	un-PC
192.168.0.4	
192.168.100.141	
ОК	Cancel

3) 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 Co	nfiguration Tool				1		×
No	Mac Address	IP Address	Subnet	Gateway	Port	Version	Search
1	cc:7a:30:01:10:20	192.168.0.5	255.255.255.0	192.168.0.1	9100	1.0	
							Setting
							Configuration(Web)
							BSS Info
							Certificate upload
							Exit

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

WLAN Configuration	×
Network Setting	
IP Address :	192 . 168 . 0 . 5
Subnet Mask :	255 . 255 . 255 . 0
Gateway :	192 . 168 . 0 . 1
Local Port :	9100 (0 ~ 32767)
Inactivity time : (0 ~ 3600)	0 sec (Default: 0)
Device Baudrate :	_
Fimware Version :	1.0
Save	Cancel

- * By setting "Inactivity Time", you can disconnect the printer to host device when the data is not transferred while inactivity time.
- * Device Baudrate setting, which is used for other models, is not necessary for our printer.
- 5) Select the printer from the list and press the [Configuration(web)] button, and then the Login window will pop up.

Ne	t Con	figuration Tool				1		X
	No	Mac Address	IP Address	Subnet	Gateway	Port	Version	Search
	1	cc:7a:30:01:10:20	192.168.0.5	255.255.255.0	192.168.0.1	9100	1.0	
								Setting
								Configuration(Web)
								BSS Info
								Certificate upload
								Exit

6) Enter the ID and Password set in the printer, and click [OK]. (Default settings are ID: "admin", Password: "password")

		_ 0	x
(←)(→) <u>@</u> http://192	2.168.0.5/ P - C BIXOLON Configuration ×	fit 7	k Ø
WLAN Configuration			^
Home System Protocol Network Authentication Weard	Sign in with your ID Password LOGIN		
			\sim

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

	2.168.0.5/ 0 + 0 @ [BIXOLON Configuration	×		<u>ती के श</u>
WLAN Configuration					^
Home System	System Information				
Protocol	Printer Name				
Network	Printer Port Num	9100			
Authentication Wizard	Protocol Information				_
	HTTPS	Disable	FTP	Disable	
	TELNET	Disable	SNMP	Disable	
	Network Information				
	SSID	BXLSW			
	IP Assignment Method	Automatic Allocation(DHCP)		
	IP ADDRESS	192.168.0.	66		
	Authentication Information				
	Authentication	Open System	EAP Mode	NONE	
	Cryptograph	WEP64/128			
					~

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

Ne	t Conf	figuration Tool				p.		X
	No	Mac Address	IP Address	Subnet	Gateway	Port	Version	Search
	1	cc:7a:30:01:10:20	192.168.0.5	255.255.255.0	192.168.0.1	9100	1.0	
								Setting
								Configuration(web)
								BSS Info
								Certificate upload
								Exit

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

	rmation					٤
No	SSID		BSSID	Mode	RSSI	Security
1	belkin.56de		08-86-3B-11-16-DE	Infrastruct	-42	WPA2
2	1432 6703		00-24-93-31-89-50	Infrastruct	-58	WPA2
3	POS		00-08-9F-2A-53-22	Infrastruct	-58	WPA2
4	netis		08-10-76-80-49-5E	Infrastruct	-64	WPA2
5	belkin		00-18-E7-D2-D3-05	Infrastruct	-73	WPA2
6 7		Vet Co	nfiguration Tool	and section in the	x	WPA2
8	U+NetC30					WPA2
9	BXLSW					WEP64/WEP
10	LABEL TEA	The	BSS information has been i	imported successful	ly.	WEP64/WEP
11	TP-LINK 2.4					No
	l	_		0		
			G	et BSS informati	on	Cancel

4-1-3 WLAN Configuration via Serial / USB

Connect to printer via Serial/USB cable, then click "WLAN Configuration (Serial/USB)".

***** This function is supported only WLAN Mobile and WLAN POS printers.

- WLAN POS printers that are supported

SRP-350plusIII, SRP-352plusIII, SRP-F310II, SRP-F312II, SRP-F313II, SRP-380, SRP-382



(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.

Net Configuration Tool	×
System _Information Protocol BSS Information System Printer Name Printer Port Num (0 ~ 32767) 9100 User ID User Password	Network Authe
Confirm Password	Disconnect
Firmware Information	Undate
Firmware Version :	
Update Date :	
Mac Address :	
	Quit

(2) System & Information

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

Net Configuration Tool		X
System Information Protocol BSS In	formation Network Authe	Printer Type
- System Printer Name Printer Port Num (0 ~ 32767) User ID User Password	9100 admin	Communication C SERIAL © USB Port USB004 ▼ Connect
Confirm Password	** ** ** ** ** **	Disconnect
- Firmware Information	0.1	Update
Update Date :	2012.09.04 AM 09:00	
Mac Address :	CC-7A-30-01-10-10	Quit

(3) Protocol

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

Net Configuration Tool	X
System _Information Protocol BSS Information Network Authe	Printer Type © POS © Mobile Communication © SERIAL © USB Port Upprove
SNMP Community Name (Read): public	Connect Disconnect
Community Name (Write): private Trap IP Address 0 . 0 . 0 . 0	Update
Trap Community public	
	Quit

(4) BSS Information

Net Configu	iration Tool	6				×
Syster No 1 2 3 4 5 6	n _Information Pr SSID belkin.56de netis_kjchoi BXLSW portthru LABEL_TEAM BIXOLON_POS	BSS Inform BSSID 08-86-3B-11 08-10-76-80 00-08-9F-D2 D2-4B-04-BD 08-10-76-80 00-08-9F-2A	MODE Infrastr Infrastr Infrastr Ad hoc Infrastr	rork Au RSSI -60 -65 -43 -78 -71 -60	Sec WF WF WE N WE WF	Printer Type © POS © Mobile Communication © SERIAL © USB Port USB004
7	BIXOLON4 U+NetC3CB	00-08-9F-31 00-40-5A-D8	Infrastr Infrastr	-82 -76	WE WF	Connect Disconnect Update
•		m	Get B	SS infor	▶ mation	Quit

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

(5) Network

You can set Infrastructure/Adhoc, SSID, IP, Subnet Mask 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) Wi-Fi Direct

Use Channel when configuring Wi-Fi Direct channels.

Conn Mode is classified into PIN or PBC 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: Accept the request for approval on your smart phone to connect.

System _Information Protocol	BSS Information	Network Authe	Printer Type POS
Infra Network			C Mobile
C Adhoc	Ad Hoc Chann	el 6	Communication —
O Wi-Fi Direct		1	O SERIAL O USB
Channel C	onn Mode	PIN Code	Port USB004
1 F	PIN&PBC ▼	12345678	Connect
I F IP Assignment Method Automatic Allocation Manual Allocation	PIN&PBC <u></u>	12345678	Disconnect
I F IP Assignment Method Automatic Allocation Manual Allocation	PIN&PBC	12345678	Connect Disconnect Save
I Y F IP Assignment Method Image: Comparison of the second	PIN&PBC HCP) BXLSW 0	12345678 Sec (Default: 0)	Connect Disconnect Save
1 Y F IP Assignment Method	PIN&PBC HCP) BXLSW 0 192 . 168	12345678 Sec (Default: 0) 3 . 0 . 59	Connect Disconnect Save
1 Y F IP Assignment Method Automatic Allocation(D Manual Allocation Network Setting SSID Inactivity Time (0~3600) IP Address Subnet Mask Subnet Mask	PIN&PBC HCP) BXLSW 0 192 . 164 255 . 255	12345678 Sec (Default: 0) 3 0 59 5 255 0	Connect Disconnect Save

(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.

	KAddiendcadon	Centication	© POS
C WPA2-PSK	ි Shared Key ි WPA	C WPA-PSK C WPA2	Communication C SERIAL C US
Cryptograph	© WEP64/128	С ТКІР	Port USB004
C AES	C AES + TKIP		Disconnect
			Update

(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.

Net Configuration Tool		-	-	×
BSS Information Ne Certificate © CA	etwork Authentication	Cerification		Printer Type
		File Upload	1	Update

4-2 Web Server

(1) POS Printer

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

	Configuration	
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		

[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**.

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		

- * By setting "Inactivity Time", you can disconnect the printer to host device when the data is not transferred while inactivity time.
- * Device Baudrate setting, which is used for other models, is not necessary for our printer.

(2) POS Printer(SRP-F310/F312), Mobile Printer, Label Printer

- 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".)

Windows Security	/	x
The server 192.	168.100.210 at . requires a username and password.	
Warning: This s sent in an insec connection).	server is requesting that your username and password be cure manner (basic authentication without a secure	
	User name Password Remember my credentials	
	OK Cancel	

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

(←) ● Mttp://192.168.100 ク - 0 Ø BIXOLON Configuration ×
BIXOLON Configuration
BLOUUX Fragedurities Promotional HACKEN SP0.3. Digital Empire Building A., SF, Yeongtong-dong, Teongtong-go, Sawon city, Gyeongja-do, Korea 443-813 Tar. + S2 (0) 31 12 5359 Reverse Status Reverse Status BIXOLON Frage Sp. Sport Reverse Status Reverse Status
Copyright 2009 BIXOLON, All Rights Reserved

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.

System Information			
Printer Name			
Printer Port	9100		
Protocol Information			
Network Information			
IP Assignment Method	Manual Allocation		
IP ADDRESS	192.168.100.210)	
Convrie	ht 2009 RIXOI ON All Righ	ts Reserved	

• Wireless LAN selection

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.

	System Information				
	Printer Name				
	Printer Port	9100			
Authentication Wizard	Protocol Information				
	WebServer SSL	Disable	FTP	Disable	
	TELNET	Disable	SMTP	Disable	
	Network Information				
	SSID	TP-LINK_5GHz_sa			
	IP Assignment Method	Automatic Allocation(D	HCP)		
	IP ADDRESS	192.168.0.10	3		
	Authentication Information				
	Authentication	WPA2-PSK	EAP Mode	None	
	Cryptograph	AES			
	Copyrig	ht 2009 BIXOLON, All Righ	its Reserved		

[Note]

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