

## **User's Manual**

# **Network Interface**

Rev. 1.00 SRP-350plusIII SRP-352plusIII



http://www.bixolon.com

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### 1. Manual Information

This Network manual provides information on the connection of network with the printer.

We at BIXOLON 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 (Outdoor) from AP (Access point) to connect WLAN. Although 35m is able to communicate in door, WLAN could be affected by environment to be shorten.
- 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. Specifications

CATEGORIES	FEATURE	IMPLEMENTATION
	Standard	IEEE802.11b, IEEE802.11g, IEEE802.11n
	Frequency	2 412 2 4846Hz
	Range	2.412~2.4040112
	Channels	1 ~ 14 channels
	Range	Up to 100m free space (Outdoor)
	Connection	Infrastructure and Ad-bac (IBSS) Wit Fi Direct
	Modes	
Specification	Security	Open Connection
opecification		Shared Key(WEP encryption 64 and 128 bit options)
Security Protocol		WPA-PSK, WPA2-PSK
		WPA1/2 Enterprise
		(EAP-TLS, EAP-TTLS, PEAP, LEAP, FAST)
		SSL2 / SSL3 / TLS1
	Drotocol	DHCP Client, HTTP, HTTPS, TELNET, FTP, ARP,
	ICMP, SNMP, IPv4, TCP, UDP	
LAN	Interface	10/100 Base-T All in one (Auto detection)
Specification	Protocol	DHCP Client, HTTP, ARP, ICMP, IPv4 ,TCP, UDP

### 4. How to Connect

(1) Connecting WLAN Printer

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



Infrastructure mode

In order to configure the network between wireless terminals, connect to the terminal in Ad-hoc / Wi-Fi Direct Mode.





Ad-hoc / Wi-Fi Direct mode

#### (2) Checking Network Setting

1) LAN

Function key



- a. Turn on the printer.
- b. Wait 10 or more seconds until the LAN interface boots up.
- c. Push the function key.
- d. The settings will be printed only one time since the printer is turned on.

#### 2) WLAN

a. Turn on the printer and wait for about 10 seconds until WLAN interface boots up. The Error/Paper LED will stop blinking when booting is complete.



b. When booting process is complete, open the printer cover and press the FEED button for five seconds. The internal buzzer will sound five times and printer will be in WLAN selection mode. Mount the paper properly, close the cover, and check that the following information is printed.

WLAN Mode Selection
Modes 0: Exit 1: WLAN Information Print 2: WLAN Factory Reset and Reboot Printer. 3 or more: None
Select Modes by Feed button control as below.
Step 1. Short-press as many times as The mode number to choose. Step 2. Long-press over 1 second.
*e.g. To choose Mode 2, press Feed
Button 3 times(short-short-long)

c. When the above message is printed, you can print and check the WLAN information as shown below by selecting Mode 1. (Mode 1 can be selected by one short-press of the Feed button followed by one long-press.)

WLAN F/W VERSION : 0.1 SYSTEM NAME : SRP-350plusIII NETWORK MODE : ADHOC ENCRYTION : NONE
ESSID : PRINTER_adhoc
DHCP : ENABLED
IP ADDRESS : 192.168.1.1
SUBNET MASK : 255.255.255.0
GATEWAY : 192.168.1.2
PORT : 9100
HTTPS : DISABLED
TELNET : DISABLED
FTP : DISABLED
SNMP : DISABLED
WLAN MACADDRESS
C C / A O O O O O O 8 7 7

#### 4-1 Initial WLAN Connection (Windows 2000)

Windows 2000 does not support wireless network setting.

When you use Windows 2000, you need to set the utility option as below after installing utility program related to the wireless LAN driver that you use.

- Network mode: Ad-hoc
- SSID: PRINTER\_adhoc
- IP address: 192.168.1.2
- Subnet Mask: 255.255.255.0
- Authentication (Encryption): Open (None)

#### 4-2 Initial WLAN Connection (Windows XP)

When wireless utility program is installed, you have to set the wireless control values via the program, otherwise you have to terminate the program in order to do proper setting after following the steps 'Control Panel>>Administrative tools>> Services>>Wireless Zero Configuration>>Start'.



icon, and select Properties.

2) Select and right click on the Wireless Network Connection, and then select Properties.



3) Select Internet Protocol (TCP/IP), and then click Properties.



4) Set the IP settings as shown below, and then click OK.

Internet Protocol (TCP/IP) Properti	es	<u>?</u> ×
General		
' You can get IP settings assigned auto this capability. Otherwise, you need to the appropriate IP settings.	matically if your network supports ask your network administrator fo	r
C Obtain an IP address automatica	lly	
Use the following IP address: —		- I
<u>I</u> P address:	192.168.1.2	
S <u>u</u> bnet mask:	255 . 255 . 255 . 0	
Default gateway:	· · · ·	
C Obtain DNS server address auto	matically	
└	ldresses:	-
Preferred DNS server:		
Alternate DNS server:	· · ·	
	Ad <u>v</u> anced.	
	OK Can	cel

5) Select the Wireless LAN tab, and then select "Use Windows to configure my wireless network settings."

🚣 Wireless Network Connection Properties	? X
General Wireless Networks Advanced	
✓ Use <u>W</u> indows to configure my wireless network settings	
Available <u>n</u> etworks: To connect to, disconnect from, or find out more information about wireless networks in range, click the button below.	
View Wireless Network	s
Preferred networks: Automatically connect to available networks in the order lister below: Move up Move dow	:d m
Add     Bemove     Properties       Learn about setting up wireless network configuration.     Advanced	-
Close Ca	ncel

Click the [Advanced] button.

6) Select "Computer-to-computer (ad hoc) network only."

Advanced	<u>? ×</u>
Networks to access	
C Any available network (access point preferred)	
C Access point (infrastructure) networks only	
Computer-to-computer (ad hoc) networks only	
Automatically connect to non-preferred networks	
Close	•

7) Click the [Add] button.

L Wireless Network Connection Properties	? X
General Wireless Networks Advanced	
✓ Use Windows to configure my wireless network settings	
Available <u>n</u> etworks: To connect to, disconnect from, or find out more information about wireless networks in range, click the button below.	
View Wireless Networks	
Preferred networks: Automatically connect to available networks in the order listed below: Move up Move down	
Add     Hemove     Properties       Learn about setting up wireless network     Advanced       configuration.	
Close	sel

8) Enter "PRINTER\_adhoc" as the Network name (SSID).
 Select the connection, even if the network is not broadcasted.
 Network Authentication: Select [Open]
 Data Encryption: Select [Disabled]

Wireless network properties	? ×
Association Authentication Connection	
Network name (SSID): PRINTER_adhoc	
Wireless network key	
This network requires a key for the following:	
Network Authentication:	
Data encryption: Disabled	
Network key:	
C <u>o</u> nfirm network key:	
Key inde <u>y</u> (advanced):	
The key is provided for me automatically	
This is a computer-to-computer (ad hoc) network; wirele access points are not used	:55
ОК	Cancel

Click the [OK] button.

### **Network Interface**

9) Click the "Connect" tab and check "Connect when this network is in range."

BIXOLON_adhoc properties	? ×
Association Authentication Connection	
Automatic connection Whenever this network is detected, Windows can connect to it automatically. Connect when this network is in range	
	ncel

10) Check whether the settings are updated as shown below, and then click [Close]

🚣 Wireless Network Connection Properties 🔋 🛛 🕺
General Wireless Networks Advanced
$\overline{\mathbf{v}}$ Use $\underline{\mathbf{W}}$ indows to configure my wireless network settings
Available networks: To connect to, disconnect from, or find out more information about wireless networks in range, click the button below.
View Wireless Networks
Preferred networks: Automatically connect to available networks in the order listed below: PRINTER_adhoc (Automatic) Move gown
Add     Bemove     Properties       Learn about setting up wireless network     Advanced       configuration.     Advanced
Close Cancel

When the printer is set to the default value (Adhoc mode, SSID: PRINTER\_adhoc), it will automatically connect.

#### 4-3 Initial WLAN Connection (Windows VISTA, Windows 7, Windows 8)

When wireless utility program is installed, you have to set the wireless control values via the program, otherwise you have to terminate the program in order to do proper setting after following the steps 'Control Panel>>Administrative tools>> Services>>Wireless Zero Configuration>>Start'.

1) Click the "Start>>Control Panel".



2) Click the "View network status and tasks".



3) Click the "Change adapter settings".



Click the "wireless network adaptor's Properties".

4) Select Internet Protocol Version 4(TCP/IPv4), and then click Properties.

Wireless Network Connection Properties	×
Networking Sharing	
Connect using:	
👰 RT73 USB Wireless LAN Card	
Configure This connection uses the following items:	Ī
Client for Microsoft Networks QoS Packet Scheduler File and Printer Sharing for Microsoft Networks Intermet Protocol Version 6 (TCP/IPv6) Intermet Protocol Version 4 (TCP/IPv4)	
Install Uninstall Properties	
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	
OK Cancel	

5) Set the IP settings as shown below, and then click OK.

Internet Protocol Version 4 (TCP/IPv4)	Properties ? X			
General				
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.				
Obtain an IP address automatical	у			
• Use the following IP address:				
IP address:	192.168.1.2			
Subnet mask:	255 . 255 . 255 . 0			
Default gateway:				
Obtain DNS server address autom	natically			
• Use the following DNS server add	resses:			
Preferred DNS server:				
Alternate DNS server:	· · ·			
🕅 Validate settings upon exit	Advanced			
	OK Cancel			

6) Click the "Manage wireless networks".

🕞 🗣 🐕 « Network and Int	ernet   Network and Sharing Center	✓ 4→ Searce	ch Control Panel	\$
Control Panel Home Manage wireless networks Change adapter settings Change advanced sharing settings	View your basic network informati	on and set up co vork 2 Access typ Connection k up, ad hoc, or VPN cor wired, dial-up, or VPN otions	Internet Internet Conne e: Internet ns: Internet Local Area Co	See full map ect or disconnec innection router or access n.
See also	Troubleshoot problems			
HomeGroup	Diagnose and repair network proble	ems, or get troublesho	oting information.	
Windows Firewall				

7) Click the "Add".

A REAL PROPERTY AND A REAL	
Image: Wireless Networks       ▼       47       Search Manage Wireless	ss Networks 👂
Manage wireless networks that use (Wireless Network Connection) Windows tries to connect to these networks in the order listed below.	
Add Adapter properties Profile types Network and Sharing Center	0
0 items	

8) Click the "Create an ad hoc network".



#### 9) Click the "Next".



10) 'Network name' = PRINTER\_adhoc,

'Security type' = Open,

'Save this network' check, and then click the "Next".

	and Barry Long				
🕒 📩 Set Up an Ad Hoc Network					
Give your network a name and choose security options					
Ne <u>t</u> work name:	PRINTER_adhoc	1			
<u>S</u> ecurity type:	No authentication (Open) 🔹	Help me choose			
S <u>e</u> curity key:		<u>H</u> ide characters			
Save this network	]				
		Next	Cancel		

#### 11) Click the "Close".

🕞 📩 Set Up an Ad Hoc Network	
The BIXOLON_adhoc network is ready to use	
This network will appear in the list of wireless networks and will stay active until everyone disconnects from it. Give the network name and security key (if any) to people you want to connect to this network.	
Wireless network name: PRINTER_adhoc	
Network security key: unsecured	
To share files, open Network and Sharing Center in Control Panel and turn on file sharing.	
Recommended options:	
Turn on Internet connection sharing	
Share an Internet connection on an ad hoc network	
	<u>C</u> lose

12) After completing configuration, PRINTER\_adhoc network will be created.

and second and		245 B	
Solution of the second sec	k and Internet 🕨 Manage Wireless Netw	orks 👻 🍕 Search M	lanage Wireless Networks 👂
Manage wireless Windows tries to conn	networks that use (Wireless Ne ect to these networks in the order listed b	etwork Connection)	
Add Adapter properties	s Profile types Network and Sharing	Center	0
Networks you can view, m	odify, and reorder (1)		<b>^</b>
PRINTER_adho	C Security: Unsecured	Type: Any supported	Manually connect
1 item			

When the printer is set to the default value (Adhoc mode, SSID: PRINTER\_adhoc), it will automatically connect.

### 5. Configuration

#### (1) WLAN Setting Values

Classification	Item	Remarks	Input Range	
Home		WLAN setting status display		
	Printer Name	Printer Name	0~32 letters	
	Drintor Dort	TCP Raw port that the printer can	0~32767 integers	
	Filiter For	use	(except21,23,25,80,443,3318)	
System	Licor Nomo	ID to use for ftp, telnet, web-	1.22 lottore	
System	User Name	server log-in		
	Llear Password	Password to use for ftp, telnet,	1-32 letters	
		web-server log-in		
	Confirm Password	Confirm Password	1~32 letters	
		Set whether to use HTTPS		
	WebServer SSL	Http cannot be used when using	Enable/Disable	
Protocol		Https		
11010001	TELNET	Set whether to use Telnet	Enable/Disable	
	FTP	Set whether to use FTP	Enable/Disable	
	SNMP	Set whether to use SNMP	Enable/Disable	
	Network Mode	Wireless LAN operating mode	Infrastructure/Adhoc	
	Adhoc Channel	Channel when creating Adhoc	1~14	
		network		
	SSID	ID of the AP to connect	1~32 letters	
Network	Inactivity Time	TCP connection hold time	0~3600 integer	
Network	IP Assignment	IP Assignment Method	DHCP/Manual	
	Method		Dirior / Manual	
	IP Address	Printer IP	IP Address	
	Subnet Mask	Subnet mask	IP Address	
	Gateway	Default Gateway	IP Address	
	Authentication	Wireless LAN authentication	open, shared,	
	Additentication	method	wpa1/2-psk, wpa1/2	
	Cryptograph	Wireless LAN encryption method	none, WEP64/128,TKIP, AES	
	EAP Mode	Authentication method	PEAP, TLS, LEAP, FAST, TLS	
Authentication		Kov for WEP operation method	WEP64 (5 Ascii, 10 Hex)	
			WEP128 (13 Ascii, 26 Hex)	
	PSK Key	Key for PSK encryption method	1~64 letters	
	Authentication ID	ID for EAP Authentication	1~32 letters	
	Authentication PW	Password for EAP Authentication	1~32 letters	
Wizard		Setting wizard for each step		

#### (2) LAN Setting Values

Classification	Item	Remarks	Input Range	
	Inactivity Time	TCP connection hold time	0~3600 integer	
	IP Assignment	ID Assignment Mathed	DHCP/Manual	
Network	Method	IP Assignment Method		
	IP Address	Printer IP	IP Address	
	Subnet Mask	Subnet mask	IP Address	
	Gateway	Default Gateway	IP Address	

For changing network setting values using Net configuration tool,

Refer to 'Net configuration tool manual'.

#### 5-1 WLAN Setting: FTP

The configuration files will be downloaded and uploaded to and from the current path. In the following case, the current path is "C:\Documents and Settings".

Enter "ftp Printer IP", and enter the ID and Password set for the printer.



Enter the "Is" command to check the file name to download.



Enter "get config" to download the configuration file.



You can see that the "get config" file is created in the corresponding directory.

Enter "put config" command if you want to upload the configuration file in the corresponding directory for the printer.



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The contents of the config file are as follows.
<ul> <li>** Caution!!!</li> <li>** Do not change the order or contents of the menu.</li> <li>** Only need to change the settings, please.</li> <li>** Do not input port 21, 23, 80, 161, 162, 3318, 3319, 3337 and 9000 to Printer Port.</li> <li>** This number is ignored.</li> </ul>
<ul> <li>[1] System</li> <li>1. Printer Name:[SRP-350plusIII]</li> <li>2. Printer Port Num:[9100]</li> <li>3. User ID:[admin]</li> <li>4. User Password:[password]</li> </ul>
[2] Protocol 1. Task State 1) HTTPS:[0] 2) TELNET:[1] 3) FTP:[1] 4) SNMP:[0] 2. SNMP 1) Community Name (Read):[public] 2) Community Name (Write):[private] 3) Trap IP Address:[0.0.0] 4) Trap Community:[public]
<ul> <li>[3] Network</li> <li>1. Network Mode <ul> <li>1) Infra Network(0) / Adhoc(1):[1]</li> <li>2) Adhoc Channel:[1]</li> </ul> </li> <li>2. SSID:[PRINTER_adhoc]</li> <li>3. Inactivity Time:[10]</li> <li>4. IP Assignment Method:[0]</li> <li>5. IP Address:[192.168.1.1]</li> <li>6. Subnet Mask:[255.255.255.0]</li> <li>7. Gateway:[192.168.1.2]</li> </ul>
<ul> <li>[4] Authentication</li> <li>1. Authentication:[0]</li> <li>2. Cryptograph:[0]</li> <li>3. EAP Mode:[0]</li> <li>4. WEP Key:[]</li> <li>5. PSK Key:[]</li> <li>6. Authentication ID:[]</li> <li>7. Authentication Password:[]</li> </ul>

\* The format of the configuration file is "Configuration item: [Setting value]".

Uploading a file that doesn't have the format shown above will not change the setting values.

#### 5-2 WLAN Setting: Telnet

Enter "telnet Printer IP".

∝ C:₩WINDOWS₩system32₩cmd.exe			_ <b>_</b> ×
C:₩Documents	and Settings	telnet 192.168.1.1	

Enter the ID and Password set for the printer.

🔤 192.168.1.1	×
🖗 Wireless Configuration SetUp 😤 —	
[User ID]: _	

The screen related to the network configuration will then be displayed.

You can select the menu to configure and edit the settings.

M 192.168.1.1	- 🗆 🗙
🖣 WLAN Configuration Main Menu 🕨	<u> </u>
[Ø]System	
[1]Protocol	
[2]Network	
[3]Authentication	
[4]Save	
[5]Exit	
Enter:	
	-

### 6. Ethernet/WLAN Test by using Windows Test Page

You can use the Windows printer driver as shown below when there is no test program. Operating systems that allow you to use the Windows printer driver are Windows 2000, XP, 2003 Server, VISTA, 2008 Server, 7, 8.

1) Install the Windows printer driver.

#### [Note]

-The Windows driver is included in the CD, and you can download the latest version from our home page.

(www.bixolon.com)

2) Click the Start button, and then select "Printers and Faxes."



3) Select and right click on the corresponding model, and then select "Properties."

Open
Set as Default Printer Printing Preferences
Pause Printing
Sharing Use Printer Offline
Create Shortcut Delete Rename
Properties

4) Select the "Ports" tab from the "Properties" window.

👹 BIXOLON SRP-350plusIII	Properties	? 🗙			
Coloritorio Language Veria					
General Sharing	Ports	Advanced			
BIXOLON SRP-350	plusili				
Location:					
Comment:					
Model: BIXOLON SRP-350p	blusIII				
Features					
Color: Yes	Paper available:				
Double-sided: No	80 x 297 mm[350plusiii]	<u> </u>			
Staple: No					
Speed: Unknown					
Maximum resolution: 180 dpi		~			
Printing	g Preferences) Print	Test Page			
(	OK Cance	Apply			

5) Click "Add Port..."

😽 BIXOLON SRP-350plusIII Properties 🛛 🕐					
Color Management General BIXOLON SR	Sharing P-350plusIII	Language Ports	:	Version Advanced	
Print to the following port checked port.	i(s). Documer	nts will print to	o the first	free	
Port         Description           LPT1:         Printer Po           LPT2:         Printer Po           LPT3:         Printer Po           C0M2:         Serial Port           C0M3:         Serial Port           C0M4:         Serial Port           C0M4:         Serial Port	on nt nt t t t	Frinter			
Add Port  Enable bidirectional s  Enable printer pooling	Add Port     Delete Port     Configure Port       Image: Configure Port     Enable bidirectional support       Image: Enable printer pooling				
		ок (	Cano	el Apply	

6) Select "Standard TCP/IP Port" and click "New Port..."

Printer Ports	? 🛛
<u>Available port types:</u>	
Local Port Standard TCP/IP Port	
New Port Type	New <u>P</u> ort Cancel

7) Click the [Next] button in the "Add Standard TCP/IP Printer Port Wizard" window.



8) Enter the IP address assigned to the printer in the "Printer Name or IP Address" field in the "Add Port" pop up window, and then click the [Next] button.

Add Standard TCP/IP Printer I	Port Wizard 🛛 🔀		
Add Port For which device do you want to add a port?			
Enter the Printer Name or IP ac	ddress, and a port name for the desired device.		
Printer Name or IP <u>A</u> ddress:	192, 168, 1, 1		
<u>P</u> ort Name:	IP_192, 168, 1, 1		
	< Back Next > Cancel		

[Note]

- Enter the same IP address entered during the installation of the interface card. Only enter the "Printer name or IP address." 9) Click the [Next] button in the "Additional Port Information Required" window.

Add Standard TC	CP/IP Printer Port	Wizard		X
Additional Port The device of	: Information Require could not be identified.	ed		
The device is not 1. The device is 2. The network 3. The device is 4. The address of 1. The address of the address and p select the device Device Type ③ Standard ① Custom	found on the network. turned on. is connected. properly configured. on the previous page is a ddress is not correct, clic perform another search of type below. Generic Network Card Settings	Be sure that: correct. ck Back to return to on the network. If y	the previous page. ou are sure the addr	Then correct ess is correct,
		< <u>B</u> ack	<u>N</u> ext >	Cancel

#### [Note]

- Click the [Next] button to proceed without any changes.
- 10) Click the [Finish] button at the "Completing the Add Standard TCP/IP Printer Port Wizard" window.

Add Standard TCP/IP Prin	ter Port Wiza	ard 🛛 🔀	
	Completing the Add Standard TCP/IP Printer Port Wizard You have selected a port with the following characteristics.		
	SNMP: Protocol: Device: Port Name: Adapter Type:	No RAW, Port 9100 192, 168, 1, 1 IP_192, 168, 1, 1 Generic Network Card	
	To complete th	nis wizard, click Finish.	
		Kan	

11) Click the "Cancel" button in the Printer Port window, closing the window.

Printer Ports	? 🔀
<u>Available port types:</u>	
Local Port Standard TCP/IP Port	
New Port Type	New <u>P</u> ort Cancel

12) Click the "Configure Port..." button in the "Properties" window.

🕏 BIXOLON SRP-350plusIII Properties 🛛 🔹 💽					
Color Manage	ement	Language		Vers	sion
General	Sharing	Ports		Adva	nced
BIXOLON SRP-350plusIII Print to the following portfs). Documents will print to the first free					
Port	Dec	cription	P	rinter	~
	Coris	l Dark		ni kor	
	Seria	l Port			
	Seria	l Port			_
	Seria	l Port			
□ IP_192,168.	1,1 Stand:	ard TCP/IP F	Port		
					~
<				>	
Add Port	Dele	te Port	Co	nfigure Port	
✓ Enable bidirecti Enable printer p	onal support ooling				
		OK	Can	:el	Apply

13) Enter the same number as the local port number set during the installation of the interface card in the "Port Number" field in the Raw Settings.

Configure Standard TCP/IP Port Monitor 🛛 ? 🔀				
Port Settings				
Port Name:	IP_192,168,1,1			
Printer Name or IP <u>A</u> ddress:	192, 168, 1, 1			
Protocol	OL₽R			
- Raw Settings				
Port <u>N</u> umber: 9100				
LPR Settings				
Queue Name:				
LPR Byte Counting Enabled				
SNMP Status Enabled				
Community Name: public				
SNMP <u>D</u> evice Index: 1				
	OK Cancel			

#### [Note]

- Do not change any other items except the RAW Settings.

14) Click [OK] when you finish entering the required values, and then click the [Apply] button.

onfigure Standard T	CP/IP P	ort Monitor 🛛 🖓 🚺
Port Settings		
Port Name:		IP_192,168,1,1
Printer Name or IP <u>A</u> ddre	:88:	192, 168, 1, 1
Protocol <u> R</u> aw		
Raw Settings		
Port <u>N</u> umber:	9100	
LPR Settings		
C SNMP Status Enab	Enabled	
Community Name:	public	
SNMP <u>D</u> evice Index:	1	
		OK Cancel

15) Select the "General" tab in the Properties window, and then select the "Print Test Page" to check the printing status.

👺 BIXOLON SRP-350plusIII Properties 🛛 🕐 🛛				
Color M General	anagement Sharing	Language	Version Advanced	
	BIXOLON SRP-350	plusIII		
Location:				
Model: I	BIXOLON SRP-350	əlusili		
Color: Yes		Paper available:		
Double-sid	led: No	80 x 297 mm[350plus	HI] 🔼	
Staple: No	1			
Speed: Ur	nknown			
Maximum r	resolution: 180 dpi		<u> </u>	
	Printin	g Preferences	int Test Page	
		OK Car	icel Apply	

### 7. Factory Reset

This function changes the WLAN settings of the printer to the initial factory settings.

Follow the instructions shown below to perform the Factory Reset.

#### 7-1 Initializing LAN Settings

- 1) Default Printer Settings
  - Dynamic IP mode (DHCP mode is enabled.)
  - Local Port: 9100
  - Inactivity Time: 0

#### 2) Procedure

- (1) Turn the printer off.
- (2) Turn the printer on while pressing the Function key.

#### [Note]

- Keep holding the Function key for about three seconds.
- (3) Wait for about 10 seconds until IP address is assigned. DHCP mode will be enabled when Factory Reset is performed regardless of the existing settings.

#### [Note]

- Dynamic IP network environment IP address is assigned to the printer and it can connect to web-server using the assigned IP address. Newly assigned IP address can be checked with the Function key.
- Fixed IP network environment IP address is not automatically assigned to the printer.
   Wait for 30 seconds and check whether IP address is assigned to the printer by pressing the Function key. If IP address is 0.0.0.0, it means that IP address has not been assigned. In this case, disable DHCP mode using the Configure Tool.
- (4) Print the settings environment using the Function key. Check the assigned IP address and connect to the web-server to change the settings.

#### 7-2 Initializing WLAN Settings

1) Turn the printer on and wait for about 20 seconds until the WLAN interface boots up. The Error/Paper LED will stop blinking when booting is complete.



2) When booting process is complete, open the printer cover and press the FEED button for five seconds. The internal buzzer will sound five times and printer will be in WLAN selection mode. Mount the paper properly, close the cover, and check that the following information is printed.

WLAN Mode Selection	
Modes 0: Exit 1: WLAN Information Print 2: WLAN Factory Reset and Reboot Printer. 3 or more: None	
Select Modes by Feed button control as below. Step 1. Short-press as many times as The mode number to choose. Step 2. Long-press over 1 second. *e.g. To choose Mode 2, press Feed Button 3 times(short-short-long)	

3) Select Mode 2 when the above message is printed. WLAN settings will be set to factory defaults and the following message will be printed. (Mode 2 can be selected by two short-presses of the Feed button followed by one long-press.)

WLAN Factory Reset OK! Reboot Printer.

After this message is printed, the printer will be rebooted and WLAN settings will be set to factory defaults.

#### 4) Factory Reset Values

WLAN	Printer Name	Printer Name	SRP-350plusIII
		Printer Port Num	9100
		User ID	admin
		User Password	password
	Protocol	FTP	Disable
		TELNET	Disable
		HTTPS	Disable
		SNMP	Disable
			Community Name(Read) : "public"
			Community Name(Write) : "private"
			Trap IP Address : 192.168.1.2
			Trap Community : "public"
	Authentication	Open System	None
		Shared key	None
	Network	Network Mode	Ad-hoc, channel 1
		SSID	PRINTER_adhoc
		Inactivity time	10
		IP Assignment Method	manual
		IP, Subnet, Gateway	IP : 192.168.1.1
			Subnet : 255.255.255.0
			Gateway : 192.168.1.2
LAN	Network	Inactivity time	0
		IP Assignment Method	Automatic(DHCP)

### 8. Troubleshooting

When printing doesn't work

Check network setting

Check the wireless network setting of the AP and the printer.

(Refer to Configuration for checking/changing the printer settings)

- SSID(WLAN only)
   Check whether the SSID of the printer matches with the one in AP (or wireless terminal)
- 802.11 mode(WLAN only)
   Check whether AP supports 802.11b/g/n.
   BIXOLON printer supports 802.11b/g/n, and 802.11a is not supported.
- Network Mode(WLAN only)
   Check the network mode of the printer.
   Network mode must be set to "Infrastructure" to connect to AP and "Ad-hoc" to connect between wireless terminals.
- Authentication / Encryption(WLAN only)
   Check the authentication/encryption setting status.
   Check whether the settings of the printer and the AP (wireless terminals) are the same.
- IP Address

Check the band of the IP Address.

Check whether the bands of the printer and the AP (or wireless terminals) are the same.

The first three digits of the four digit value of the IP address must be the same.

- Subnet Mask

Check whether the subnet mask of the printer matches the one in AP (or wireless terminal).

- Port

Check whether the port configured in the printer and the host (PC, PDA) are the same.

#### PING Check

Checking IP collision

- When entering IP address manually without using DHCP, you must check whether the corresponding IP address is used by other equipment. The printer may not work normally when there is a collision in the IP address.
- When the printer is turned off, carry out the Ping Test to the printer IP.

#### Ping TEST

- Turn off the printer.
- Select "Run" from the Windows Start menu, and then enter "cmd".
- Enter "ARP –d" and delete ARP table.
- Enter "ping {printer IP}".
- ARP –d, ping {IP address}

C:₩WINDOWS₩system32₩cmd.exe	- 🗆 🗙
C:#Documents and Settings>arp -d	
C:#Documents and Settings>ping 192.168.1.111	
Pinging 192.168.1.111 with 32 bytes of data:	
Request timed out.	
Ping statistics for 192.168.1.111: Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),	
C:#Documents and Settings>	•

When you see "Request timed out." as shown below, it means that there is no collision. The corresponding IP can be used.

On the other hand, if there is a reply as shown below, then the corresponding IP is used by another network terminal and it cannot be used for the printer IP.

🔤 C:\WINDOWS\System32\cmd.exe	- 🗆 X
C:#Documents and Settings>ping 192.168.1.111	-
Pinging 192.168.1.1 with 32 bytes of data:	
Reply from 192.168.1.111: bytes=32 time<1ms TTL=64	
Reply from 192.168.1.111: bytes=32 time<1ms TTL=64	
Reply from $192.168.1.111$ : bytes=32 time<1ms TTL=64	
Reply from 192.168.1.111 : bytes=32 time<1ms ITL=64	
Ping statistics for 192.168.1.111: Packets: Sent = 4. Received = 4. Lost = 0 (0% loss).	
Approximate round trip times in milli-seconds:	
Minimum = Oms, Maximum = Oms, Average = Oms	
C:WDocuments and Settings>	
	-

#### 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.), ex> 5sec