

Network Connection Manual

BK3-31

KIOSK PRINTER Ver. 1.00



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1. Manual Information

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

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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. Specifications

CATEGORIES	FEATURE	IMPLEMENTATION
LAN	Interface	10/100 Base-T All in one(Auto detection)
Specification	Protocol	DHCP Client, HTTP, ARP, ICMP, IPv4, TCP, UDP

3. How to Connect

To change the printer settings, establish a connection by configuring its LAN and the network settings of the host e.g., PC, PDA.

3-1 Connecting Printer

• Connect the LAN cable to the printer. Establish a connection with the hub or host using a LAN cable. For LAN configuration, use "Net configuration tool".

3-2 Checking Network Setting

• When the printer boots up, use the SELF TEST to check the network settings. Press the SELF button on the side at the bottom to print the SELF TEST page.

SELF TEST			
Model Name : BK3-3E F/W version : V01.03_STB_030220 USB 2.0 Interface Serial Interface - Baud rate : 115200 bps - Data bits : 8bits - Parity : None - Stop Bit : 1 bit - Flow control : DTR/DSR - Receive Err. : Print ?			
Ethernet Interface - MAC Address : 00:15:94:C2:6B:B5 - IP Address : 192.168. 0.112 - Subnet Mask : 255.255.255. 0 - Gateway : 192.168. 0. 1 - Port : 9100 - Inact. Time : 0 (Off) - DHCP mode : Enable			

3-3 LAN Setting Values

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

Note	For changing network setting values using Net configuration tool,
	Refer to 'Net configuration tool manual'.

4. Ethernet 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, XP, Server 2003, VISTA, 2008 Server, 7, 8, 10.



- 1) Double-click the Windows Driver installation file.
- 2) Click Install.



3) Select Installation and click Next..

BIXOLON Windows Driver Setup Wizard			
B	Welcome to Windows driver setup wizard. The wizard helps you install or uninstall BK3-3 windows drivers.		
	 Installation Uninstallation 		
	To continue, dick Next.		
	< Back Next > Cancel Finish		

4) Select Model Name and click Next.

BIXOLON Windows Driver Setup Wizard			
	Specify Device Model Specify the model of your device.		
	Model Name		
0	BIXOLON BK3-3		
5			
	To continue, click Next.		
	< Back Next > Cancel Finish		

5) Select Ethernet and click Add TCP/IP Port.

BIXOLON Windows Driver Setup Wizard		
	Device(Printer) Connection	
	BK3-3 should be connected before continuing installation. Please connect BK3-3 to the PC and turn it on.	
6	* In case of USB port, it may be required to turn the device off and then turn it on again to move the next step.	
	Port Type	
	OUSB	
	O Serial / Parallel	
	OBluetooth	
2	Network (Ethernet or WiFi) Add TCP/IP Port	
(11)	To continue, click Next.	
	< Back Next > Cancel Finish	

6) Enter the IP address and port number, and then click **Next**.

Standard TCP/IP Port								
TCP/IP Port								
IP Address :	192	•	168	•	100	•	117	
Port Number :	9100							
			[(ОК		Cancel	

7) Click Next.

BIXOLON Windows Driver Setup Wizard		
	Port Type OusB Serial / Parallel Bluetooth Network (Ethernet or WiFi) Add TCP/IP Port	
	To continue, dick Next.	
	< Back Next > Cancel Finish	

8) Click Next.

BIXOLON Windows Driver Setup Wizard				
	Specify Port Specify the port that you are using.			
	Port	Туре		
	IP_192.168.100.117	Standard TCP/IP Port		
a	To continue, click Next.	Configure Port		
		< Back Next > Cancel Finish		

9) Click Next.

BIXOLON Windows Driver Setup Wizard				
	Completing the Windows driver setup wizard.			
	A new windows driver will be installed using the following settings:			
	Model :	BIXOLON BK3-3		
	Port :	IP_192.168.100.117		
	Manufacturer :	BIXOLON		
Ö	Version :	1.0.1.0		
	To continue, click Next.			
		< Back Next > Cancel Finish		

10) Click Finish.

BIXOLON Windows D	iver Setup Wizard	
	BIXOLON BK3-3 Windows driver has been successfully installed.	
	< Back	Finish

- 11) Open the printer properties window in the Windows OS.
 - (1) Installing on Windows XP / Server 2003
 ※ Control Panel Printers and Faxes.
 - (2) Installing on Windows VISTA / Server 2008 / 7 / 8 / Server 2012 / 10
 ※ Control Panel Hardware and Sound Device and Printers.
- 12) In the **Ports** tab, click **Configure Port**.
- 13) Match the communication settings to those of the printer.

Configure Standard TCP/IP Po	ort Monit	or	\times
Port Settings			
<u>P</u> ort Name:		IP_192.168.100.117	1
Printer Name or IP <u>A</u> ddress		192.168.100.117	
Protocol		◯LPR	
Raw Settings			
Port <u>N</u> umber:	9100		
LPR Settings			
<u>Q</u> ueue Name:			
LPR <u>Byte</u> Counting En	abled		
SNMP Status Enabled			
<u>C</u> ommunity Name:	public		
SNMP <u>D</u> evice Index:	1		
		OK Cancel	

14) Click **Print Test Page** and check printing status. Proper installation of the driver is indicated if the test page is printed normally.

Security	/	Printer	Settings		Version
General	Sharing	Ports	Advanced	Color	ur Management
3	BIXOLON BK3-	.3			
Location:					
Comment:					
Model: Features Colour: Yes	BIXOLON BK3-	3	Paper availal	ble:	
Double-sid Staple: No	ed: No		80 x 3276 m	im[BK33]	^
Speed: Unk	nown				
Maximum	resolution: 203 d	pi			\sim
		Prefere	ences	Print	Test Page

5. Factory Reset

5-1 Initializing LAN Setting

• This function changes the LAN settings of the printer to the initial factory settings.

1) When the printer boots up, select the "VMSM selection mode" through SELF TEST. Then select "8:LAN Factory Reset" in the "VMSM selection mode".

SELF TEST	*** VMSM Selection ***	
Model Name : BK3-3E F/W version : V01.03_STB_030220 Ethernet Interface - MAC Address : 00:15:94:C2:6B:B5 - IP Address : 192.168.100.117 - Subnet Mask : 255.255.255.0 - Gateway : 192.168.100.254 - Port : 9100 - Inact. Time : 0 (Off)	 0 : Exit and reboot printer 1 : Print current settings 2 : Set Serial Interface 3 : Set Print Density 4 : Set Print Speed 5 : Set Cutting mode 6 : Set Print width 7 : Factory Reset 8 : LAN Factory Reset 9 or more : Nore Select Modes by SELF Button control 	
 DHCP mode : Disable Press the button continuously with below number, You can enter the mode what you want. (Procedure off If no touching over 2 sec) 1 : VMSM selection mode 2 : Hexdecimal dump mode 3 or more : Exit 	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 SELF Button 3 times. (short-short-long)	

2) Once the message displays as shown in the following image, select "YES" (hold the SELF button for at least 1 second).

* Do you really want to reset The LAN setting?
<u>1. YES :</u> Push the SELF button 1 second or more 2. NO :
Push the SELF button less than 1 second

3) After displaying the following messages, the printer will reboot automatically.

LAN Factory Reset OK! Reboot Printer.

5-2 Factory Reset Values

LAN	Network	Inactivity time	0
		IP Assignment Method	Automatic(DHCP)
		Local Port	9100

6. Troubleshooting

	- IP Address
Check network setting (Refer to Configuration for checking/changing the printer settings)	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.
	- 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
PING Check	IP.
	- Ping TEST
	1) Turn off the printer.
	2) Select "Run" from the Windows Start menu, and then enter
	"cmd".
	3) Enter "ARP $-d$ " and delete ARP table.
	 4) Enter "ping {printer IP}".
	5) ARP –d, ping {IP address}

