



Software Manual

B-gate Utility

Windows

Rev. 1.03

■ Table of Contents

1. Manual Information.....	3
2. OPERATING ENVIRONMENT	4
2-1 OPERATING SYSTEM (OS) ENVIRONMENT	4
2-2 PRINTER SUPPORT	4
3. Useful Function.....	5
3-1 INTERFACE CONFIGURATION.....	5
3-2 Bluetooth Configuration	9
3-3 WLAN Configuration	10
3-4 LAN Configuration	12
3-5 Interface Usage Configuration	13
3-6 Serial Configuration	14
3-7 Custom Device	15
3-8 Net Protocol Configuration.....	16
4. The others	17

1. Manual Information

Windows B-gate Utility Application manual contains the information of supports Windows system with BIXOLON B-gate

Windows B-gate Utility Application supports following function

1) Bluetooth settings

Used to change the information necessary for a Bluetooth connection like Bluetooth Name, Pin Code

2) WLAN settings

Used to change the information necessary for a WLAN dongle connection with B-gate

3) LAN settings

Used to change the information necessary for a LAN connection like IP Address

4) Usage settings

Used to change the Interface setting for enable/ disable the communication

5) Serial settings

Used to change the port setting for “USB to Serial” connected to a B-gate

6) Custom Device settings

Used to remove existing and registered devices in B-gate

7) Net Protocol settings

Used to change the information necessary for TELNET, SNMP

2. OPERATING ENVIRONMENT

2-1 OPERATING SYSTEM (OS) ENVIRONMENT

Windows7 (32/64bit)
Windows8 (32/64bit)
Windows10 (32/64bit)

2-2 PRINTER SUPPORT

1) B-gate

BGT-100P
BGT-102P
SRP-Q300H
SRP-Q302H

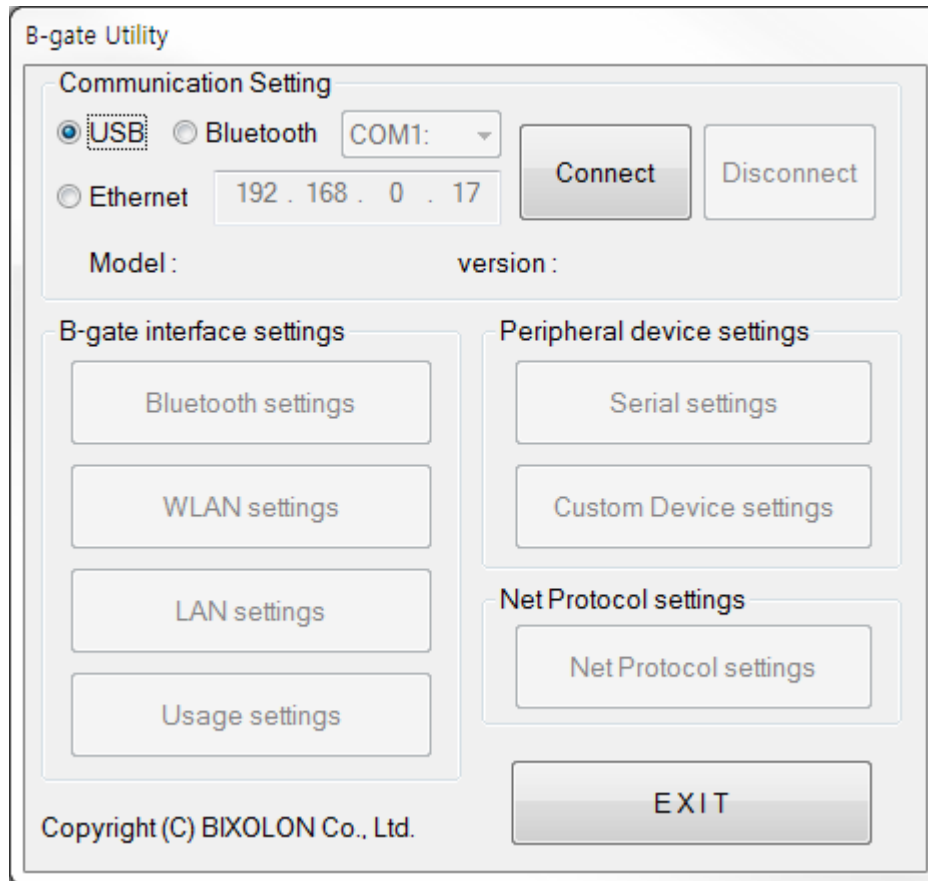
2) B-gate Interface

SRP-S300
SRP-F310II
SRP-F312II

3. Useful Function

3-1 INTERFACE CONFIGURATION

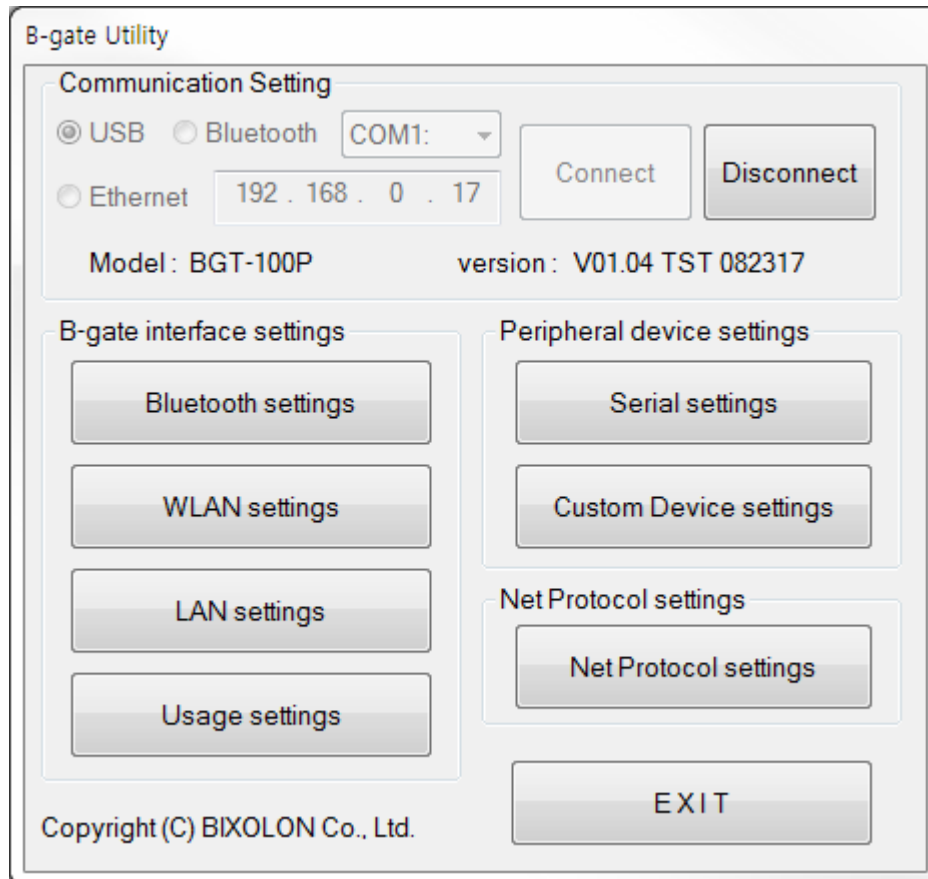
Select interface (Bluetooth, LAN/WLAN, USB) for setting.



1) USB

Connect the USB device to the B-gate. (USB type : A to B)

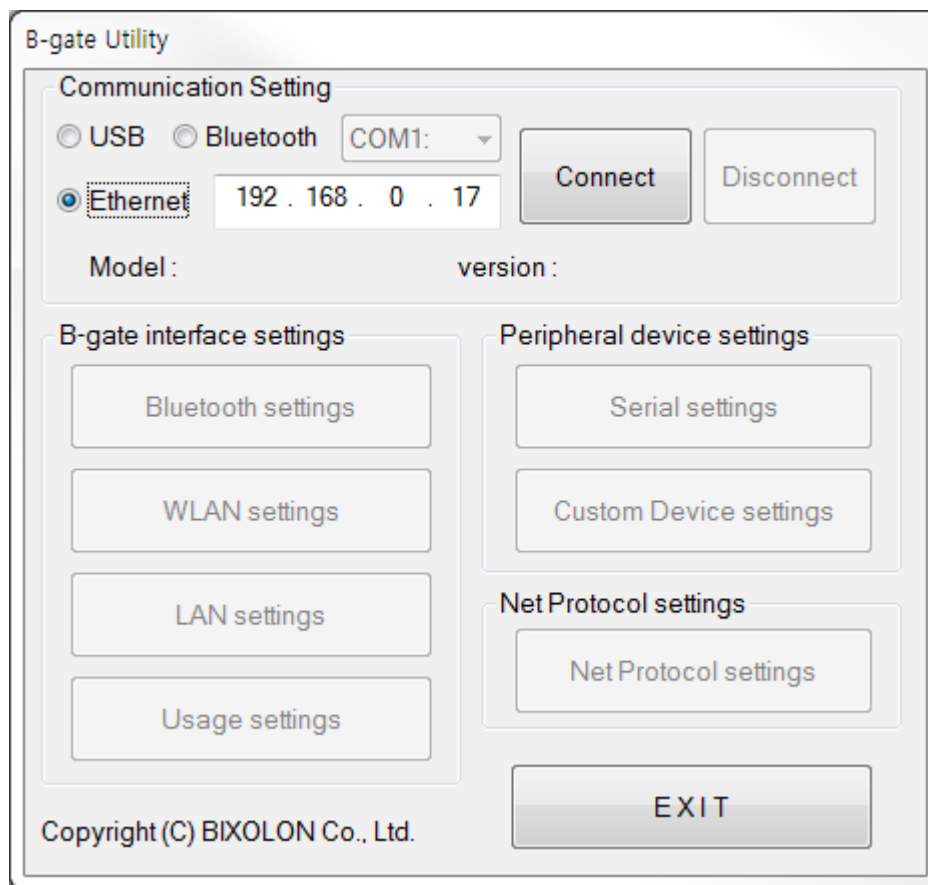
Press the Connect button. Once connection has succeeded, B-gate model name and version will be displayed and other available function buttons will be enabled as below.



2) Ethernet(LAN/WLAN)

Set the IP Address of the B-gate that you want to connect.

IP Address of the B-gate is the [WLAN Configuration] – [IP_Addr] or [Ethernet Configuration] - [IP_Addr] of the self –test mode.



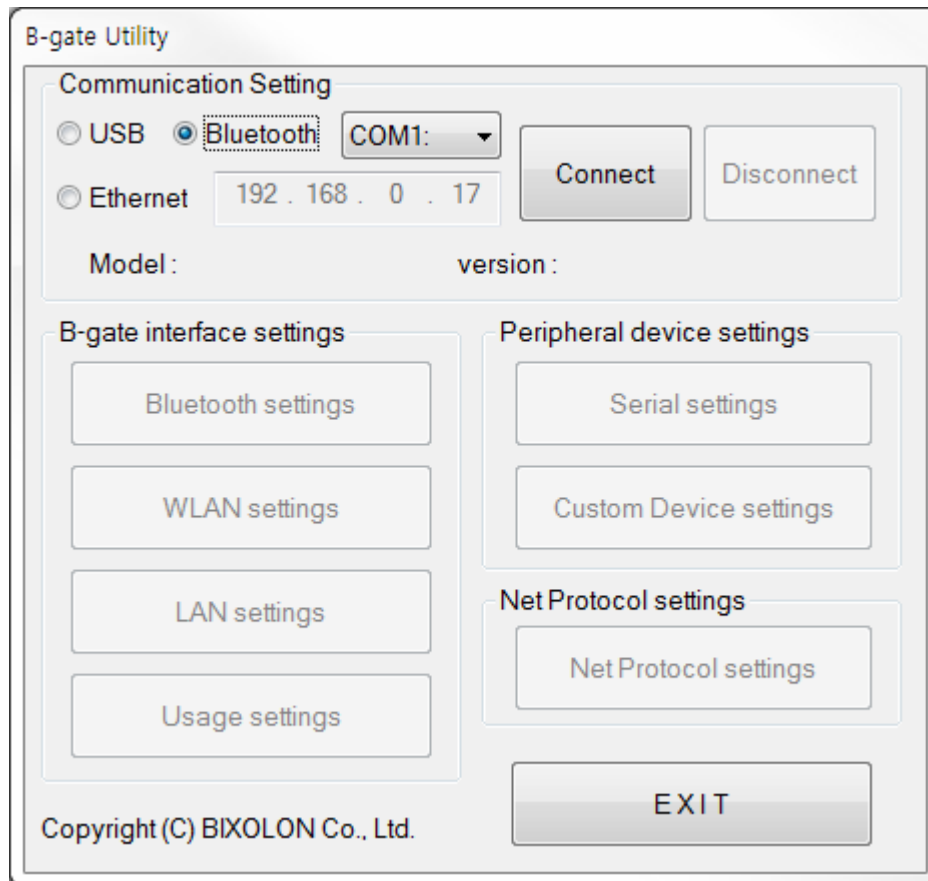
[Note]

- To Print a self-test page : open the printer cover with the power turned on, press the Feed button, and close the cover.
- For WLAN connection we need to use a Router.

3) Bluetooth

Select the COM port of the B-gate that you want to connect.

If you want a Bluetooth connection you must be completed, the bluetooth pairing between the Windows host with the B-gate. For more information on bluetooth pairing please check following contents no.4 “Others Function”



3-2 Bluetooth Configuration

Bluetooth Configuration

Normal Setting

Device Name : BGT-100P

Encryption : Enable

PIN Code : 0000

Connection Mode : Mode 2

IOS Only

Auto Connection : Disable

Default Setting SET Close

1) SET

Input Bluetooth settings information you want to set and select “SET” button. Then you can set the settings.

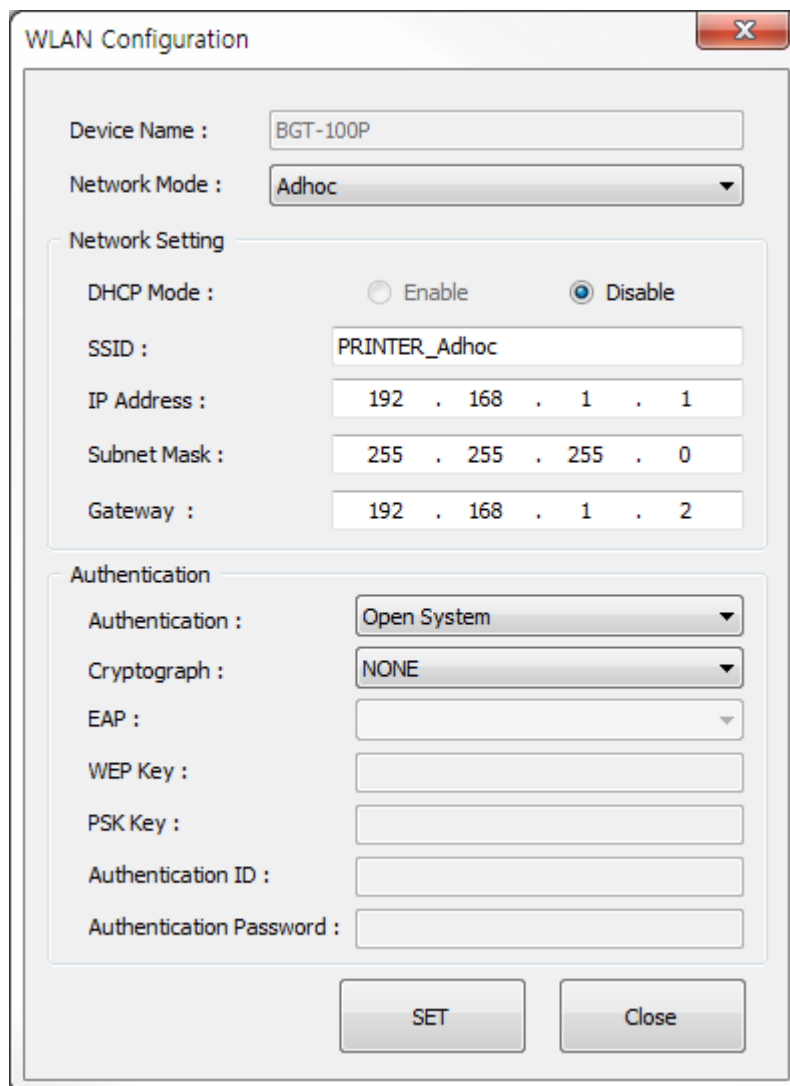
2) Default Setting

Load Bluetooth default settings and show on a screen. If you click “SET” button, default value is set.

3) Functions

Function	Description
Device Name	Set Bluetooth Name
Encryption	Set Bluetooth Encryption or not
PIN Code	Set Bluetooth PIN Code
Connection Mode	Set Bluetooth Connection Mode
Auto Connection	Set iOS Automatic Connection Mode or not

3-3 WLAN Configuration



The image shows a 'WLAN Configuration' dialog box with a title bar containing a close button (X). The dialog is divided into two main sections: 'Network Setting' and 'Authentication'. In the 'Network Setting' section, 'Device Name' is 'BGT-100P', 'Network Mode' is 'Adhoc', 'DHCP Mode' has 'Disable' selected, 'SSID' is 'PRINTER_Adhoc', 'IP Address' is '192 . 168 . 1 . 1', 'Subnet Mask' is '255 . 255 . 255 . 0', and 'Gateway' is '192 . 168 . 1 . 2'. The 'Authentication' section includes 'Authentication' (Open System), 'Cryptograph' (NONE), 'EAP' (empty), 'WEP Key' (empty), 'PSK Key' (empty), 'Authentication ID' (empty), and 'Authentication Password' (empty). At the bottom are 'SET' and 'Close' buttons.

Field	Value
Device Name :	BGT-100P
Network Mode :	Adhoc
Network Setting	
DHCP Mode :	☐ Enable ☒ Disable
SSID :	PRINTER_Adhoc
IP Address :	192 . 168 . 1 . 1
Subnet Mask :	255 . 255 . 255 . 0
Gateway :	192 . 168 . 1 . 2
Authentication	
Authentication :	Open System
Cryptograph :	NONE
EAP :	
WEP Key :	
PSK Key :	
Authentication ID :	
Authentication Password :	

1) SET

Input Wi-Fi settings information you want to set and select “SET” button. Then you can set the settings.

2) Functions

Function	Description
Device Name	Device Name
Network Mode	Set Network Mode (Adhoc/Infra)
DHCP Mode	Set DHCP Mode
SSID	Set SSID to be connected
IP Address	Set IP Address
Subnet Mask	Set Subnet Mask
Gateway	Set Gateway information
Authentication	Set Authentication method
Cryptograph	Set Cryptograph method
EAP	Set Extensible Authentication Protocol
WEP Key	Set WEP Key
PSK Key	Set PSK Key
Authentication ID	Set Authentication ID
Authentication Password	Set Authentication Password

3-4 LAN Configuration

LAN Configuration

MAC Address : 00:15:94:71:e9:02

DHCP Mode : ☐ Enable ☒ Disable

IP Address : 192 . 168 . 0 . 33

Subnet Mask : 255 . 255 . 255 . 0

Gateway : 192 . 168 . 0 . 254

DNS : 168 . 126 . 63 . 1

SET Close

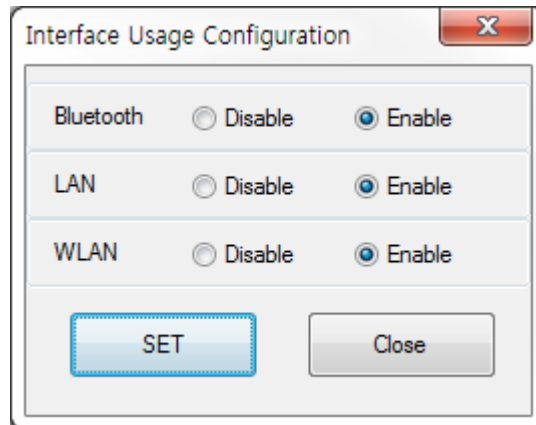
1) SET

Input LAN settings information you want to set and select “SET” button. Then you can set the settings.

2) Functions

Function	Description
MAC Address	MAC address
DHCP Mode	Set DHCP Mode
IP Address	Set IP Address
Subnet Mask	Set Subnet Mask
Gateway	Set Gateway information
DNS	Set DNS

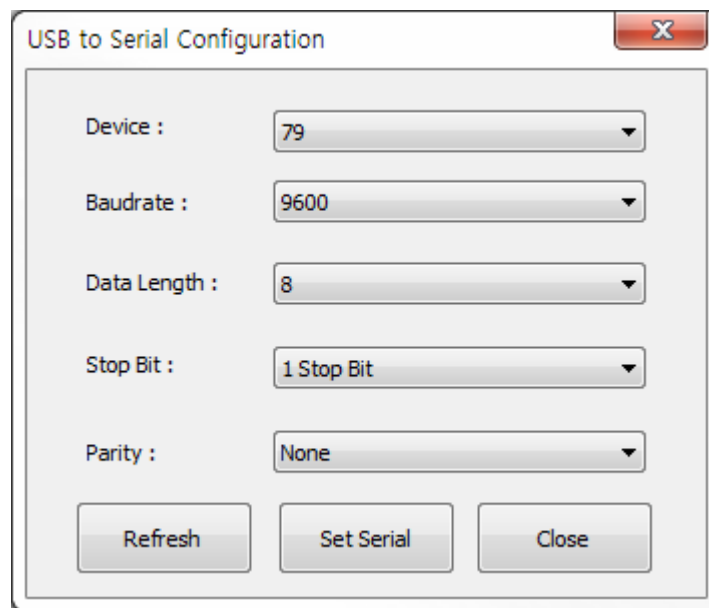
3-5 Interface Usage Configuration



1) SET

Input Interface usage settings information you want to set and select "SET" button. Then you can set the settings.

3-6 Serial Configuration



1) Refresh

Update ID of “USB to Serial” Device connected to a B-gate and show.

2) Set Serial

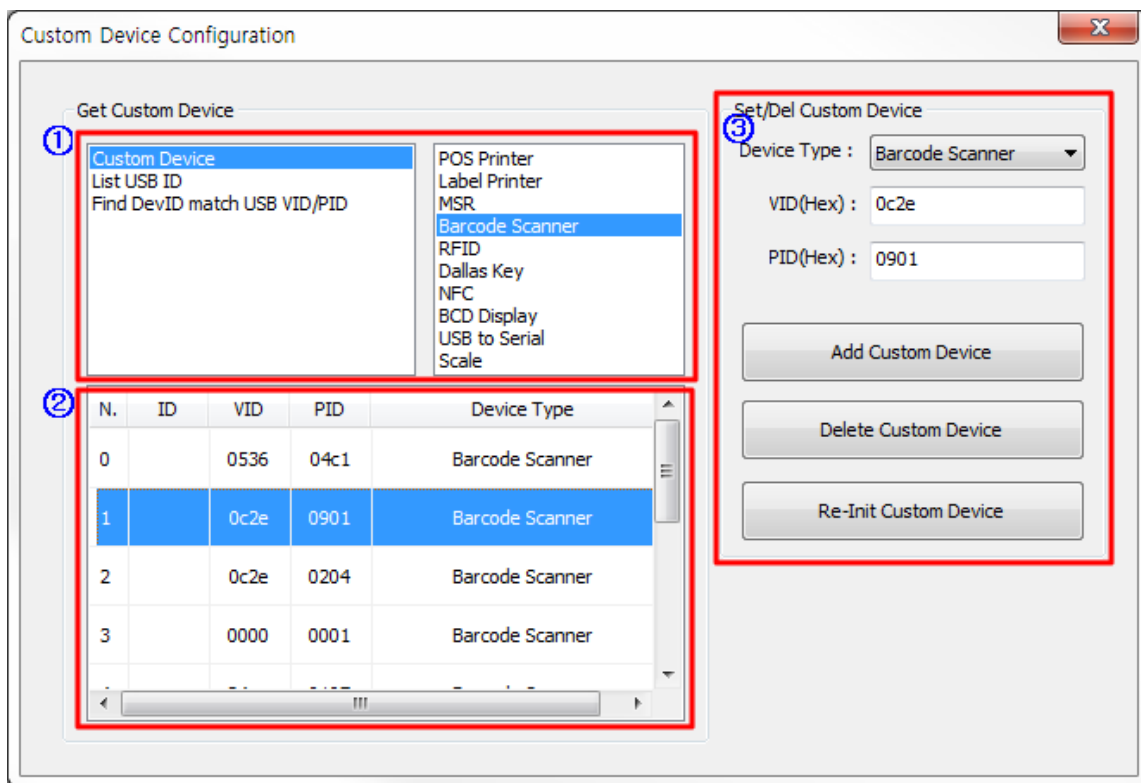
Input Serial Settings information you want to set and select “Set Serial” button.

Then you can set the settings on “USB to Serial” Device connected to a B-gate.

3) Functions

Function	Description
Device	ID of “USB to Serial” Device connected to a B-gate
Baudrate	Set Baudrate
Data Length	Set Serial Data bit
Stop Bit	Set Serial Stop bit
Parity	Set Serial Parity bit

3-7 Custom Device



1) Get Custom Device

Obtain information of registered device or connected device in B-gate and show ② screen.

- Select devices you want to obtain information on ① screen.
 - Custom Device : Registered device in B-gate → Select MSR, Barcode and etc.
 - List USB ID : All USB ID list connected to the B-gate
 - Find devID match USB VID/PID : VID/PID list connected to the B-gate
- Obtain device list you selected on ① screen and show it on ② screen.

2) Add Custom Device

Add New Device that is not added in B-gate before

- Select Device Type.(MSR, Barcode and etc.)
- Input VID/PID (You can check at “Find devID Match USB VID/PID” in Get Custom Device)
- New Device is added if you click “Add Custom Device” button.

3) Delete Custom Device

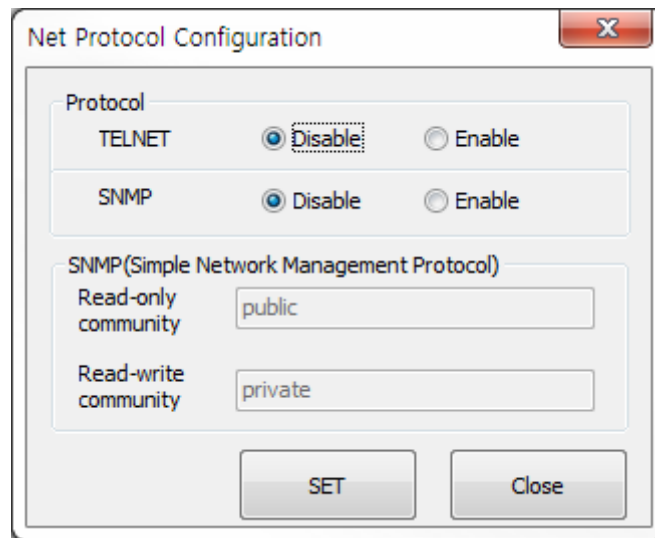
Delete Device added in B-gate

- Select Device Type.(MSR, Barcode and etc.)
- Input VID/PID (You can check at “Custom Device” in Get Custom Device)
- Added Device is deleted if you click “Delete Custom Device” button.
- And then the Device is recognized as “Unknown Device”. If you want to re-use the Device, you need to add device through “Add Custom Device”.

4) Re-Init Custom Device

Added Device list in B-gate is set as a factory default status.

3-8 Net Protocol Configuration



1) SET

Once press the “SET” button after setting TELNET and SNMP information, the setting will be saved onto B-Gate.

2) Functions

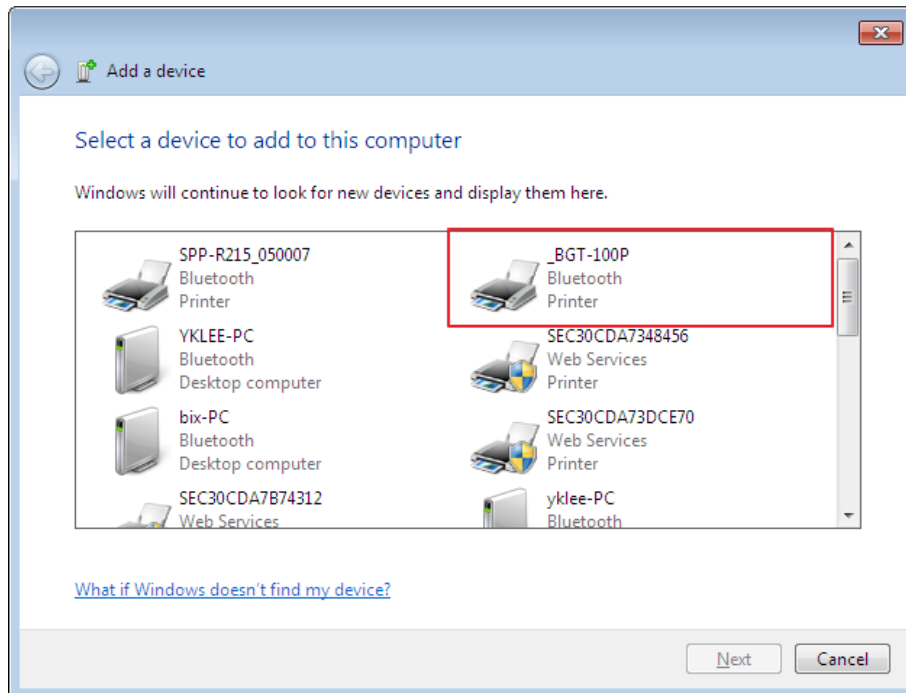
Function	Description
TELNET	Setting for TELNET function
SNMP	Setting for SNMP function
Read-only community	Setting for RO(Read-only) community Character set
Read-write community	Setting for RW(Read-write) community Character Set

4. The others

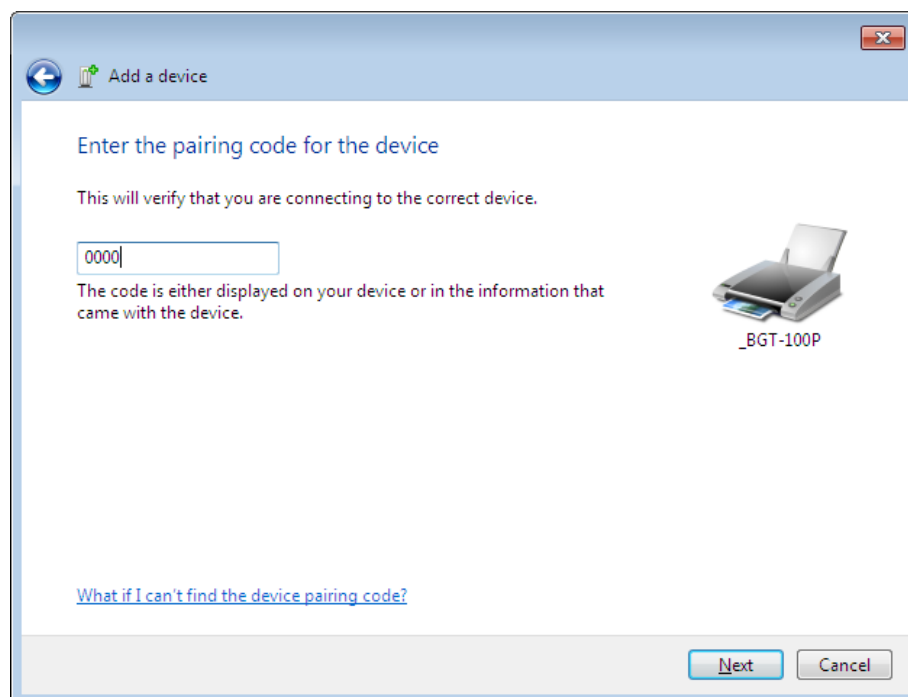
- Bluetooth Pairing

1. Try to pair between Windows PC and B-gate.
[Control Panel] → [Hardware and Sound] → [Add a device]

1) Select device you want to connect.



2) Input PIN Code.



3) Check COM port of connected B-gate.

[Control Panel] → [Hardware and Sound] → [Devices and Printers] → [Printer Properties]

