

**BIXOLON**

**Software Manual**

# **Virtual LPT for USB Driver Configuration Tool**

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**Ver. 2.19**

<http://www.bixolon.com>

# Table of Contents

<b>Copyright.....</b>	<b>3</b>
<b>1. Manual Information.....</b>	<b>4</b>
<b>2. Usage Environment.....</b>	<b>5</b>
2-1 Operating System Environment.....	5
2-2 Supported Printer Models.....	6
<b>3. Software Installation &amp; Uninstallation.....</b>	<b>7</b>
3-1 Installation .....	7
3-2 Uninstallation .....	9
<b>4. Configuration Tool Usage.....</b>	<b>10</b>
4-1 Configuration Tool Functions .....	10
4-2 Virtual LPT Port Addition .....	12
4-3 Printer Port Connection.....	13
4-4 Printer Port Disconnection.....	14
4-5 Print Test .....	14
4-6 Virtual Parallel Port Deletion.....	14
<b>5. Virtual Parallel Port Management .....</b>	<b>15</b>
5-1 Port Deletion Via the Device Manager.....	15
5-2 Port Setting/Number Modification Via the Device Manager .....	16
<b>6. Command line.....</b>	<b>17</b>
6-1 Command Description.....	17
6-2 Command Option .....	18

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BIXOLON Co., Ltd. maintains ongoing efforts to enhance and upgrade the functions and quality of all our products.

In the following, product specifications and/or user manual content may be changed without prior notice.

## Caution

Some semiconductor devices are easily damaged by static electricity. You should turn the printer "OFF", before you connect or remove the cables on the rear side, in order to guard the printer against the static electricity. If the printer is damaged by the static electricity, you should turn the printer "OFF".

# **1. Manual Information**

This manual provides information on the usage of the “Virtual LPT for USB Driver” and “Configuration Tool” software associated with USB interface use on BIXOLON printers.

This software can be used to set and use the USB interface via the parallel communication mode.

The Latest file versions is available for download from the BIXOLON website.  
([www.bixolon.com](http://www.bixolon.com))

## 2. Usage Environment

### 2-1 Operating System Environment

Microsoft Windows 7 (32bit, 64bit)  
Microsoft Windows 8 (32bit, 64bit)  
Microsoft Windows 8.1 (32bit, 64bit)  
Microsoft Windows 10 (32bit, 64bit)

Microsoft Windows Server 2008 (32bit, 64bit)  
Microsoft Windows Server 2008 R2 (64bit)  
Microsoft Windows Server 2012 (64bit)  
Microsoft Windows Server 2012 R2(64bit)  
Microsoft Windows Server 2016 (64bit)  
Microsoft Windows Server 2019 (64bit)

## **2-2 Supported Printer Models**

• The “Virtual LPT for USB Driver” software can be used only with USB-supported printers.

### **1) POS Printer**

SRP-270 / SRP-275 / SRP-275II / SRP-275III / SRP-280  
STP-103II / STP-103III / SRP-370 / SRP-372 / SRP-500  
SRP-350 / SRP-350plus / SRP-352plus  
SRP-350II / SRP-350IIK / SRP-350plusII / SRP-352plusII  
SRP-330 / SRP-330II / SRP-332II  
SRP-340 / SRP-340II / SRP-342II  
SRP-350III / SRP-352III / SRP-350plusIII / SRP-352plusIII  
SRP-F310 / SRP-F312 / SRP-F310II / SRP-F312II / SRP-F313II  
SRP-S300 / SRP-S320  
SRP-380 / SRP-382 / SRP-383  
SRP-Q300 / SRP-Q302 / SRP-QE300 / SRP-QE302 / SRP-Q200  
SRP-E300 / SRP-E302 / SRP-B300  
SRP-S3000 / SRP-S200  
SRP-330III / SRP-332III  
SRP-350V / SRP-350plusV / SRP-352V / SRP-352plusV  
SRP-380II / SRP-382II

### **2) Label Printer**

SLP-T400 / SLP-T403 / SLP-D420 / SLP-D423 / SLP-D220 / SLP-D223  
SLP-TX400(RFID) / SLP-TX403(RFID)  
SLP-TX420 / SLP-TX423 / SLP-TX220 / SLP-TX223  
SLP-DX420 / SLP-DX423 / SLP-DX220 / SLP-DX223 / SLP-DL410 / SLP-DL413  
SRP-770II / SRP-770III / SRP-E770III  
XT5-40(RFID) / XT5-43(RFID) / XT5-46(RFID)  
SRP-S3000\_LABEL

XD3-40d / XD3-40t  
XD5-40d / XD5-43d  
XD5-40t(RFID) / XD5-43t(RFID)  
XL5-40CT / XL5-43CT  
XT3-40 / XT3-43

SPP-L3000  
SPP-L310 / SPP-L410  
XM7-40(RFID) / XM7-20 / XM7-30

### **3) Mobile Printer**

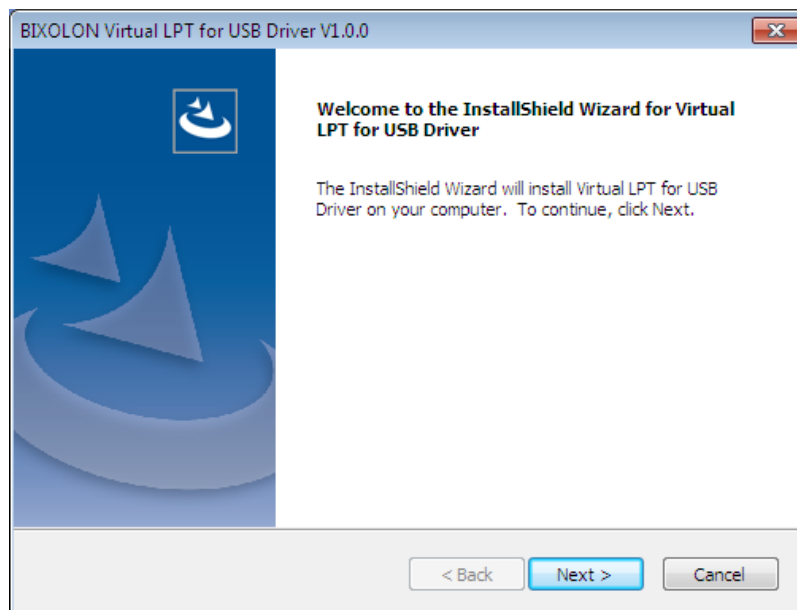
SPP-C200  
SPP-C300

## 3. Software Installation & Uninstallation

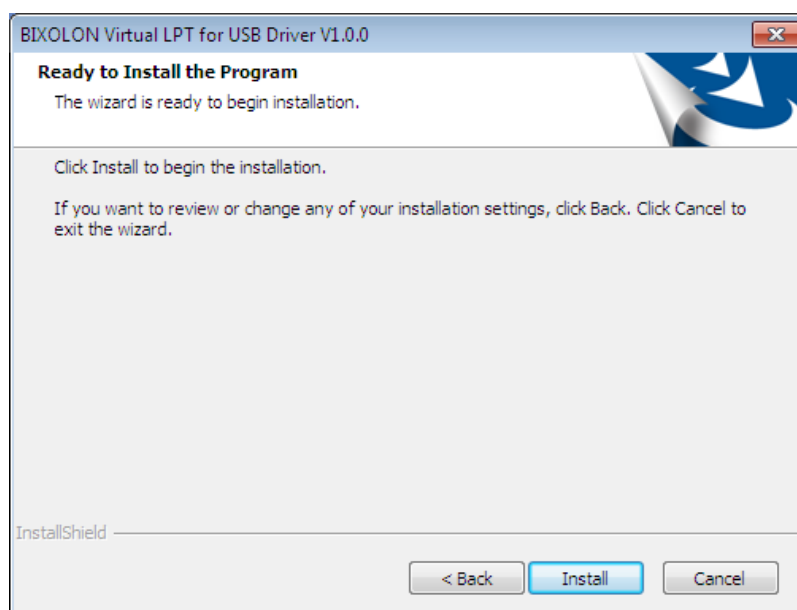
Installation and uninstallation process in this document is written based on Windows 7

### 3-1 Installation

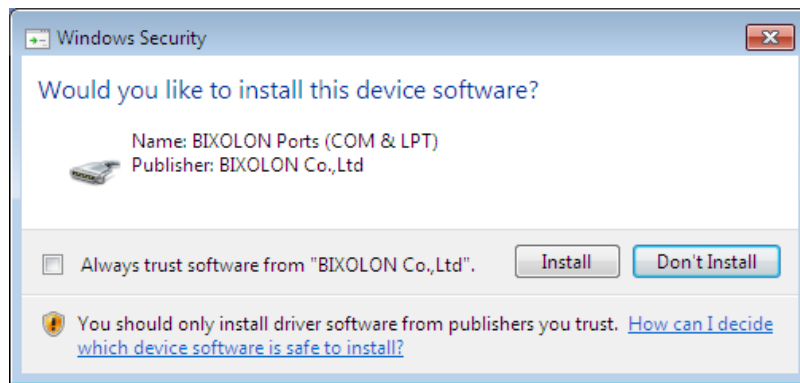
- 1) Execute the installation file.
- 2) Click the “Next” button.



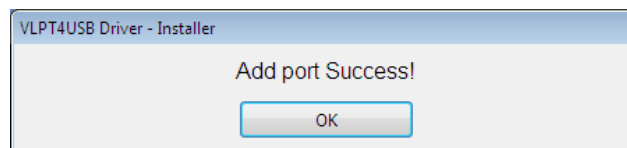
- 3) Clicking the “Install” button begins the installation process.



4) When the following message appears, click the "Install" button.



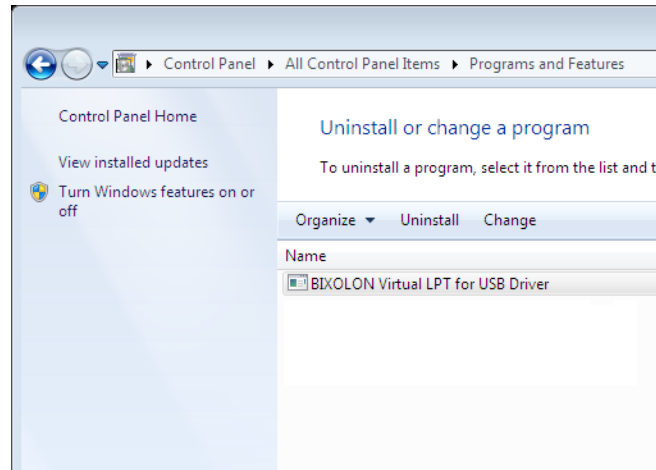
5) The following message appears upon the successful completion of installation.



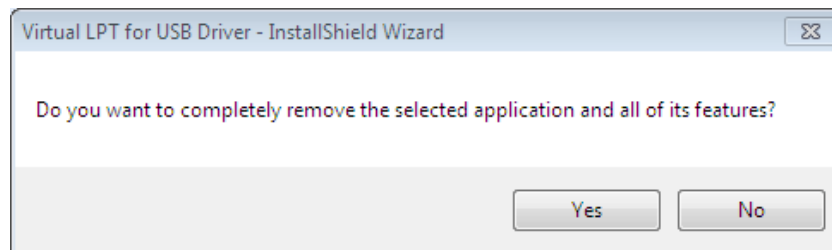


### 3-2 Uninstallation

- 1) Click and activate the “Uninstall a program” or “Programs and Features” icon in the Control Panel.
- 2) Select “Virtual LPT for USB Driver” and click the “Uninstall” button.



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

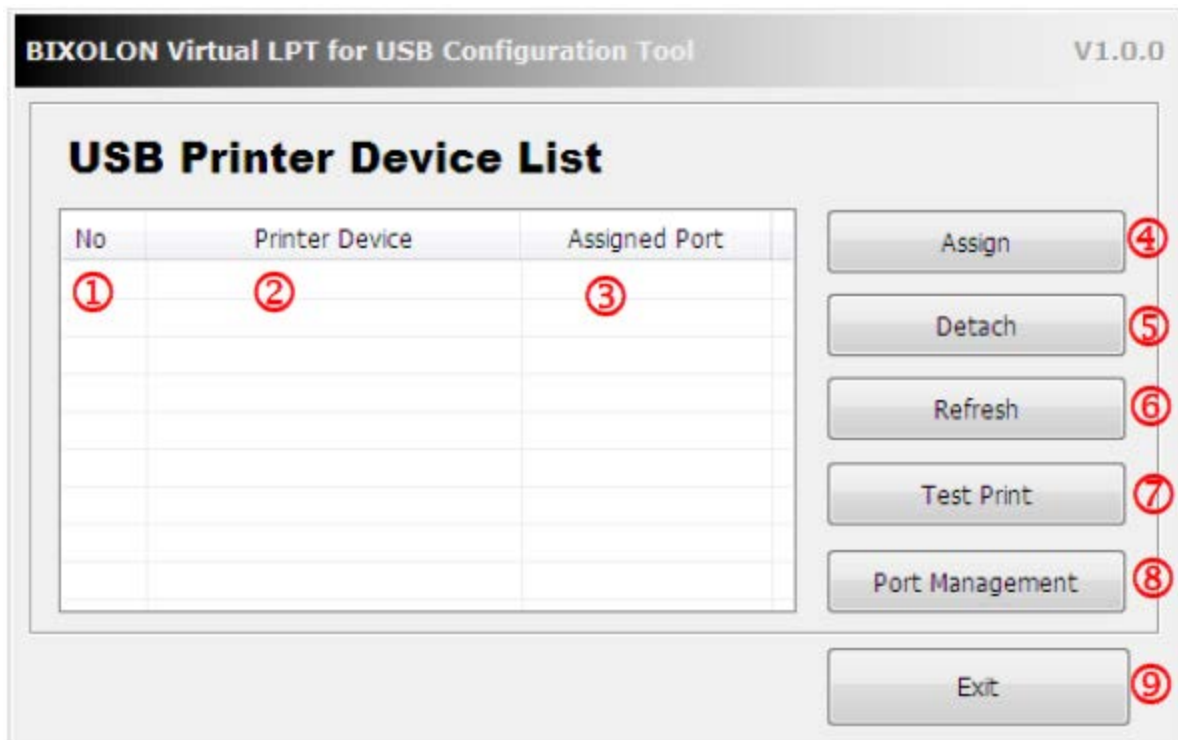


## 4. Configuration Tool Usage

The “Configuration Tool” program can be used to create a parallel port, and set and/or delete printer devices.

### 4-1 Configuration Tool Functions

- Select from “Start ► All Programs ► BIXOLON ► Virtual LPT for USB Driver” and open “Configuration Tool”.



The “Configuration Tool” functions are described as follows.

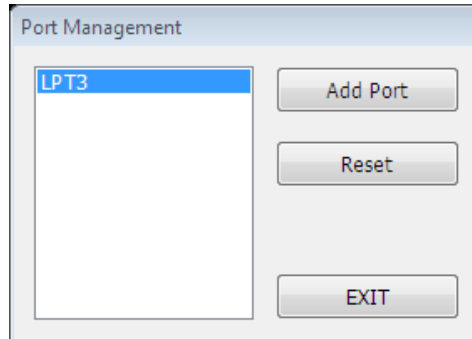
- ① Printer Device Sequence Number
  - This function displays the connection sequence of printer devices.
- ② Printer Device Name
  - This function displays the printer device models that are turned on and connected via the USB interface.
- ③ Assigned Port
  - This function displays the currently set virtual parallel port number. If one is not set, the status is shown as “Not Assigned”
- ④ Assign
  - This function is used to establish a connection between a printer selected in the list box and a registered virtual parallel port.

- ⑤ Detach
  - This function is used to disconnect a connection between a printer selected in the list box and a virtual parallel port.
- ⑥ Refresh
  - This function is used to update the USB printer device list shown in the list box and set port information.
- ⑦ Test Print
  - This function is used to perform a print test on the printer selected in the list box. The parallel port must be set in order to perform a print test.
- ⑧ Port Management
  - This function is used to add/remove virtual parallel ports.
- ⑨ Exit
  - This function is used to exit the "Configuration Tool" program.

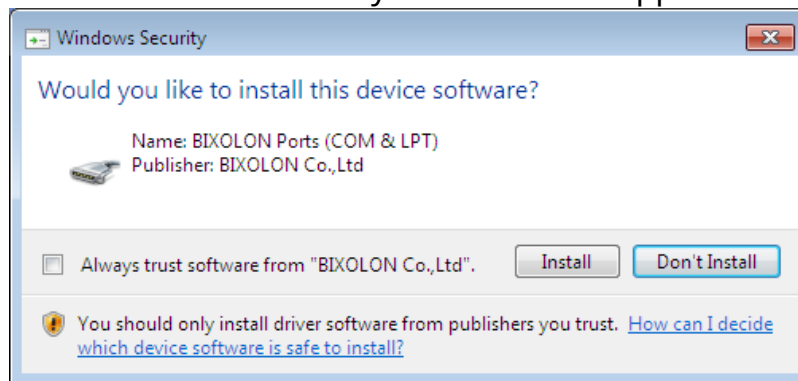
### 4-2 Virtual LPT Port Addition

- The “Configuration Tool” program is used to add a virtual LPT port. To create a port, click the “Port Management” button in the “Configuration Tool”.

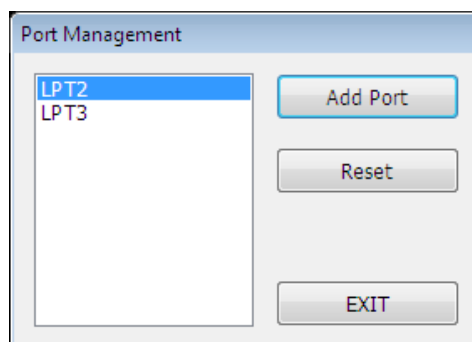
1) Clicking the “Port Management” button of the “Configuration Tool” brings up the following dialog box.



2) Click the “Add Port” button to add a port.  
Click “Install” when “Windows Security” screen below appears.



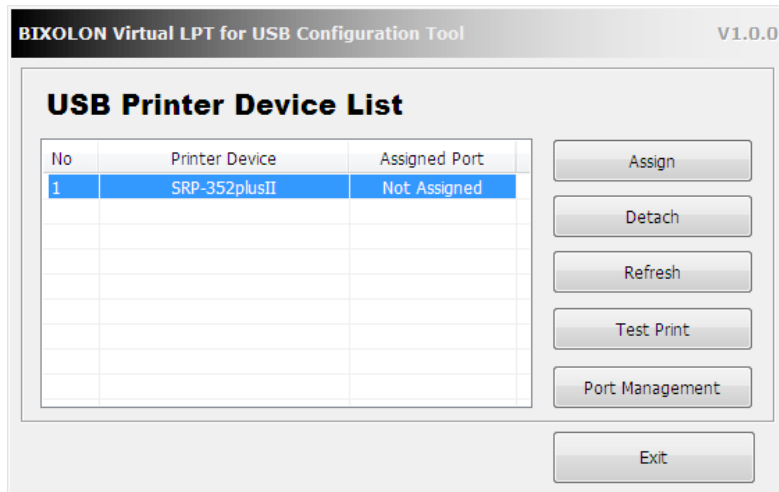
3) If the port has been added successfully, the virtual parallel port added will appear as follows.



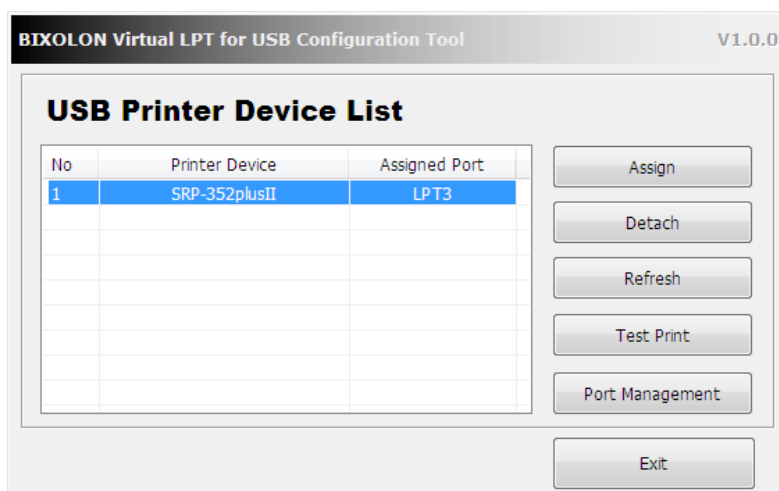
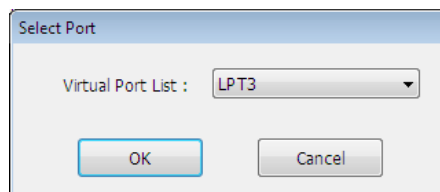
- A port number is determined by operating system.
- Refer to section 5 (Virtual Parallel Port Management) of this manual for information on modifying the virtual parallel port number.

### 4-3 Printer Port Connection

- To use the added parallel port and printer, click the “Assign” button and set the connection.



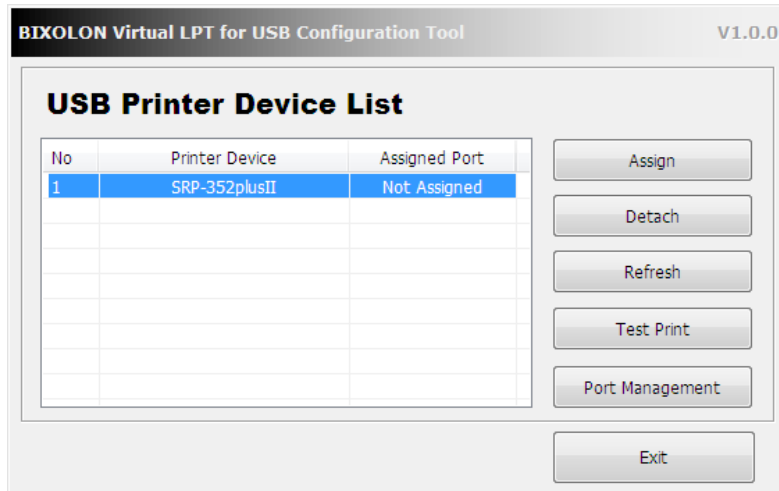
- 1) Select the printer to be connected from the list, and click the “Assign” button to bring up a dialog box.
- 2) Select the port number to be used among the virtual parallel ports added via “Port Management” and click the “OK” button to automatically update the “Assigned Port” section of the main screen.



When connecting a virtual parallel port, if another printer is connected to the corresponding port, that existing connection is automatically disconnected, and the connection is established with the selected printer.

### 4-4 Printer Port Disconnection

- Select the printer to be disconnected from the list of printers connected via virtual parallel ports. Click the “Detach” button to disconnect the previously connected virtual parallel port. This will result in reversion of the “Assigned Port” status of the printer to “Not Assigned”.



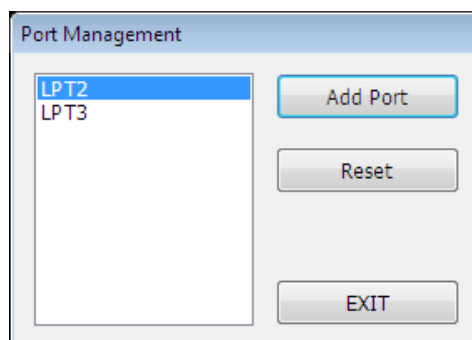
- Although the port setting of the printer has been disconnected, the virtual parallel port is not deleted.
- The “Port Management” function can be used to delete all ports, or the Device Manager can be used to manually delete select ports.

### 4-5 Print Test

- The “Test Print” button can be used to check the communication status between the printer and the virtual parallel port.

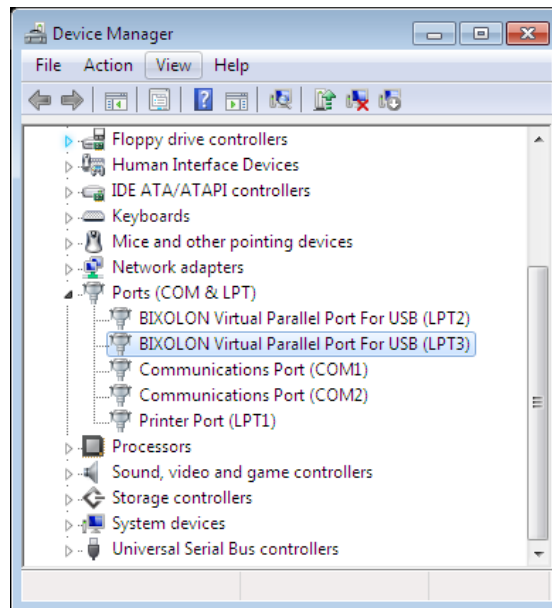
### 4-6 Virtual Parallel Port Deletion

- Click the “Port Management” button to delete the connection settings of virtual parallel ports. The “Reset” button can be used to delete all virtual parallel ports and connected printer information.



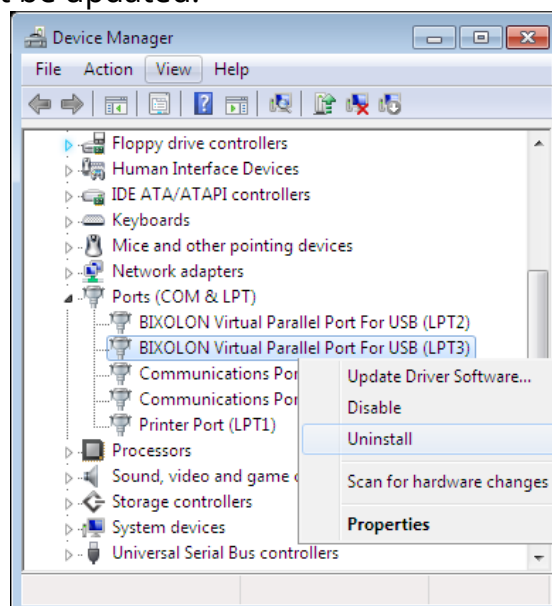
## 5. Virtual Parallel Port Management

- 1) Port number modification, port deletion, and parallel communication setting are done via the Device Manager.
- 2) Control Panel ► System ► Device Manager: Upon examination of the “Ports (COM & LPT)” section, the port(s) added previously via the “Configuration Tool” program can be seen.



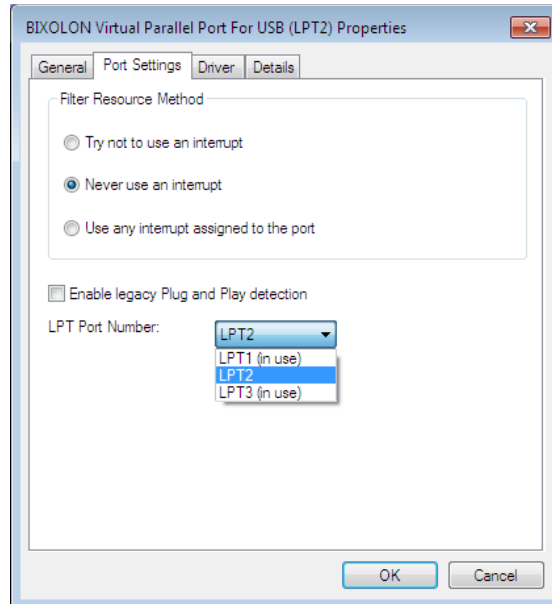
### 5-1 Port Deletion Via the Device Manager

- 1) Select the virtual parallel port to be deleted and click the right mouse button. On the popup menu, select “Uninstall” to delete the port.
- 2) Following deletion, the “Configuration Tool” program must be executed, and the changes must be updated.



### 5-2 Port Setting/Number Modification Via the Device Manager

- 1) Select the desired virtual parallel port and click the right mouse button. On the popup menu, select "Properties".
- 2) Click the "Port Settings" button to modify the port number settings.  
The LPT port number is changed by selecting a number in the combo box.



Following port modifications, the settings utility must be run to update changes.  
If a printer was connected previously, the connection setting must be disconnected.



- A port not in use must be selected.
- Following port modification, clicking the "Yes" button can result in the appearance of a warning message. Click the "Yes" button to finalize and set the modified information and settings.  
Port modification on certain operating systems will require the repeat opening of the Device Manager to confirm changes.
- After deleting a virtual parallel port, the "Configuration Tool" program must be executed to update the Virtual LPT for USB Driver, and directly deleted connection information must be Removed.



## **6. Command line**

Use the Configuration Tool functions as a command line without using the Configuration Tool. Using command lines, the UI will not be displayed. If a command fails, an error log file is created.

### **6-1 Command Description**

Open a command window and navigate to the folder where VLPT4USB is installed.  
CMD > cd "C:\ BIXOLON\Virtual LPT for USB Driver"



Default installation path  
C:\ BIXOLON\Virtual LPT for USB

e.g. CMD> VLPT4USB\_Configuration /u /i 1 /pid 0086 /rs

Action Description : After deleting all Virtual LPT ports, add the Virtual LPT1 port and assign a printer with USB PID "0086" of the currently connected printer to the Virtual LPT1 port. Reboot the system.

### 6-2 Command Option



- Values marked as '[']' in the command below are negligible.
- If /i and /u are used at the same time, /u will run first.

```
VLPT4USB_Configuration.exe [/i [PORT_NUMBER] ] [/m [MESSAGE_OPTION] ]  
[ /pid [USB_PID] ] [ /sn USB_SN ] [/u]  
[/rs REBOOT_OPTION]
```

- 1) /u : Delete all installed Virtual LPT ports.
- 2) /i [PORT\_NUMBER] : Add Virtual LPT Port.
  - PORT\_NUMBER : Specifies the Virtual LPT port number to add.



If you assign the port number currently being used by the system, the system may not operate normally.

- 3) /m [MESSAGE\_OPTION] : View the execution results of the installation (/i command in the message window. If not using the /m command, the message window will not be displayed.
  - MESSAGE\_OPTION : If the value is 1 then display message window when installation is successful
  - If the value is 2 then display message window when installation is successful or unsuccessful
- 4) /pid [USB\_PID] : Set the same USB\_PID printer as the LPTport among the currently connected printers. Only one Virtual LPT port should exist in the system.. Only one printer with matching USB\_PID should be connected.
- 5) USB\_PID : 4 digits of printer's usb pid, If you don't enter USB\_PID, only one connection must be made, and the Virtual LPT port is assigned to the connected printer.
- 6) /sn [USB\_SN]: Set the same printer as the Virtual LPT port on which the USB\_SN is currently connected. Only one Virtual LPT port should exist in the system.
  - USB\_SN : If you use '/sn', make sure input the usb serial number.



If using the /pid command with the /sn command, Can set it up without the printer being connected.

7) /rs [REBOOT\_OPTION] : reboot system.

- REBOOT\_OPTION : If the value is 0 or does not contain a value,  
reboot without notification.  
If the value is 1, show the notification window and reboot



Do not reboot the system, the Virtual LPT port may not function properly.

## Revision history

Rev.	Date	Description
2.00	2017-12-07	New
2.01	2018-03-09	Add SRP-E770III, MX4000Supplementation of contents
2.02	2018-05-16	Change model name of XT5
2.03	2018-09-05	Add SRP-383
2.04	2019-01-10	Add SPP-L310/L410
2.05	2019-03-06	Add SRP-Q200, XD3-40d
2.06	2019-06-24	Add XD3-40t, XD5-40d/43d, XL5-40/43 Add command Line Description
2.07	2019-11-01	Change model name XL5-40CT / XL5-43CT
2.08	2019-12-16	Add XD5-40t / XD5-43t, XM7-40
2.09	2020-02-28	Add XM7-20
2.10	2020-09-11	Modify supported OS list Add XT5-40NR, XD5-40tR, SRP-B300, SRP-S320
2.11	2020-11-06	Add SRP-S3000, SRP-S3000_LABEL
2.12	2021-03-02	Change the font in the manual Add SRP-S200
2.13	2021-08-18	Add XT3-40, XT3-43, XM7-40(RFID)
2.14	2021-10-06	Add SPP-C200
2.15	2021-11-23	Add SPP-C300
2.16	2022-04-22	Add XM7-30
2.17	2022-05-25	Add SRP-330III, SRP-332III
2.18	2022-06-03	Add SRP-350V, SRP-350plusV Series
2.19	2022-07-21	Add SRP-380II, SRP-382II