

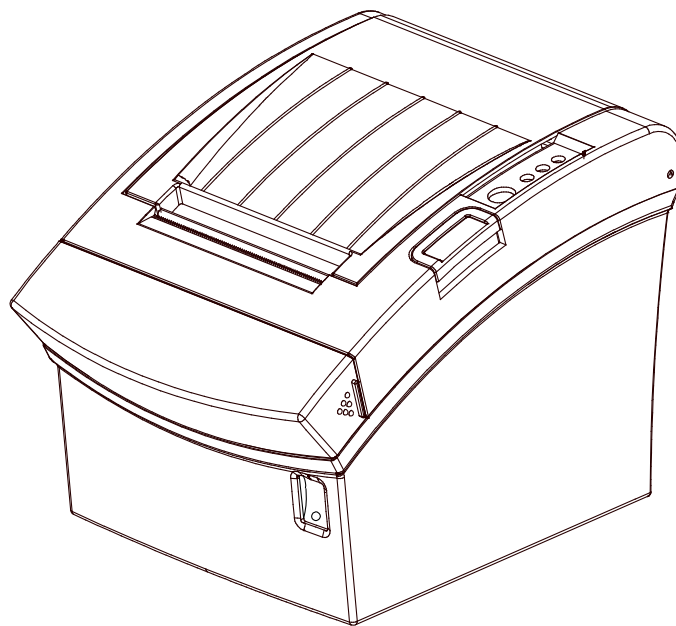


# Windows Driver Manual

## **SRP-350IIIBE**

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**Thermal printer**  
**Rev. 1.00**



<http://www.bixolon.com>

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## **1. Manual Information**

This Windows Driver Installation Manual provides information on installation, detailed specifications, and usage of the printer's Windows Driver according to PC operating system (OS).

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. Operating System (OS) Environment**

The following operating systems are supported for usage.

- Microsoft® Windows XP SP3 (32bit)
- Microsoft® Windows XP SP1 or later (64bit)
- Microsoft Windows Server 2003 SP1 or later (32bit/64bit)
- Microsoft Windows Embedded for Point Of Service (32bit)
- Microsoft Windows VISTA (32bit/64bit)
- Microsoft Windows Server 2008 (32bit/64bit)
- Microsoft Windows Server 2008R2 (64bit)
- Microsoft Windows 7 (32bit/64bit)
- Microsoft Windows 8 (32bit/64bit)
- Microsoft Windows Server 2012 (64bit)

## **3. Windows Driver Preparation**

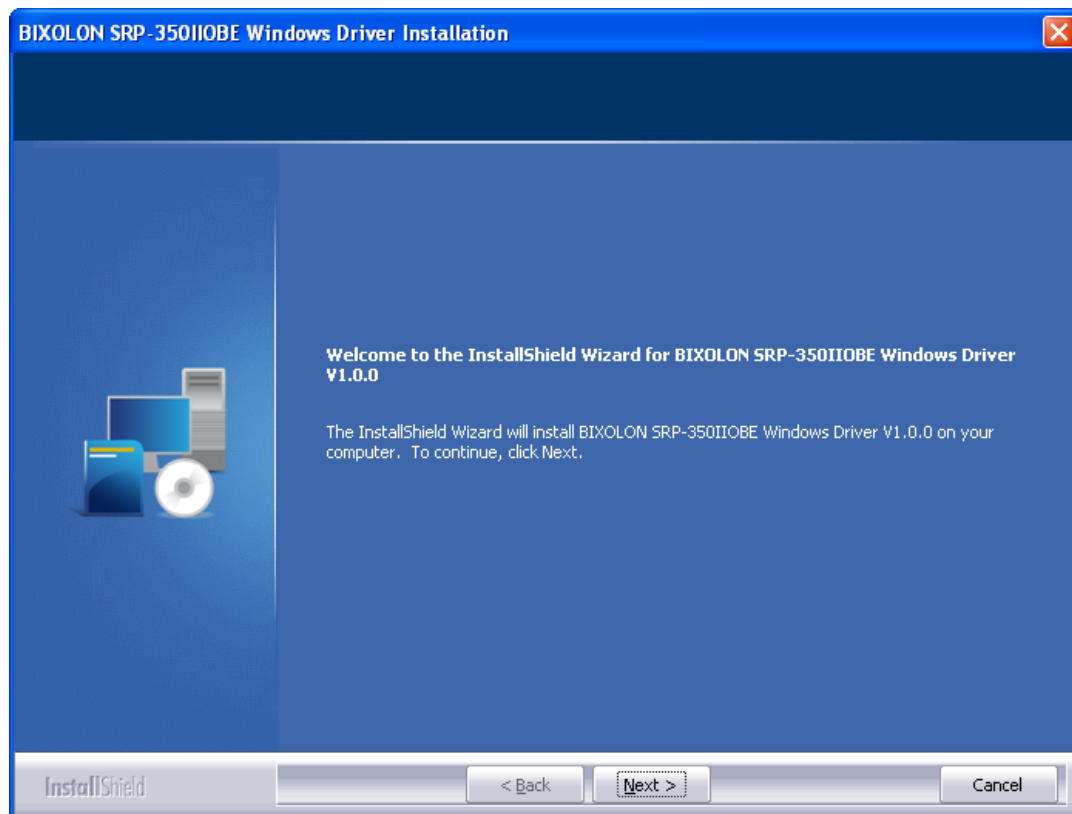
The Windows Driver is included in the enclosed CD, and Latest file versions can be downloaded from the BIXOLON website. (**[www.bixolon.com](http://www.bixolon.com)**)

## 4. Windows Driver Installation

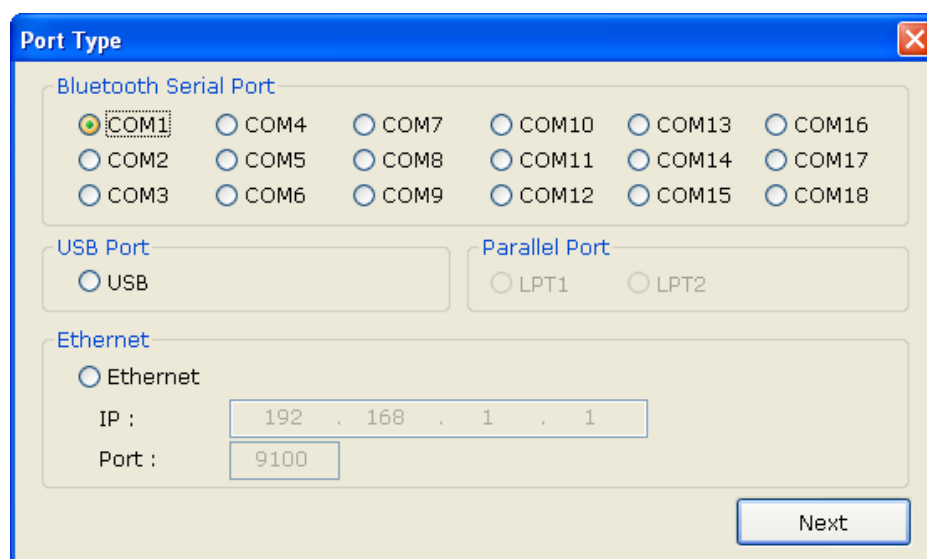
### 4-1 Installing on Windows XP / Server 2003

#### 4-1-1 Via Bluetooth

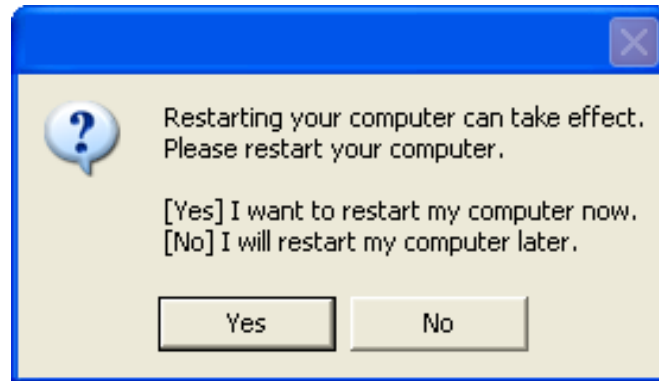
- 1) Double-click the Windows Driver installation file.
- 2) Click **Next**.



- 3) Select a COM port to be used, and then click **Next**.



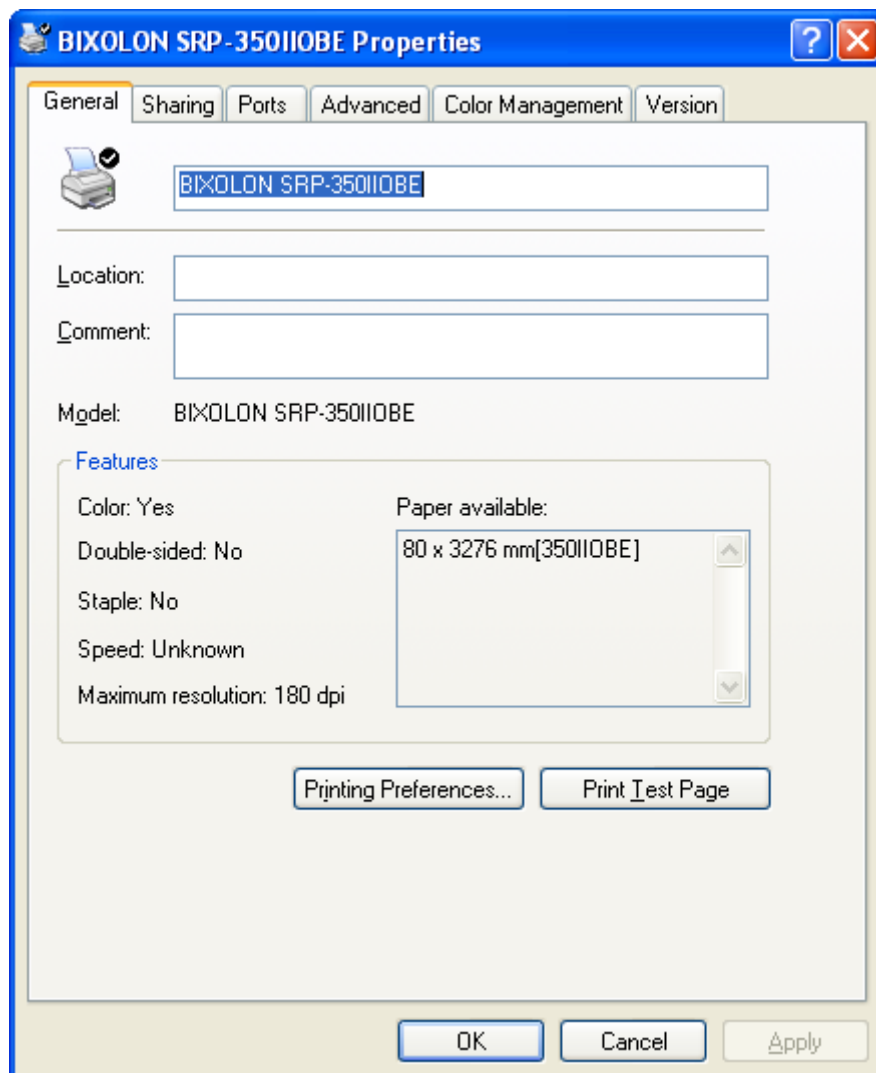
4) Click **Yes** to reboot the PC.



5) Open the printer properties window in the Windows OS.

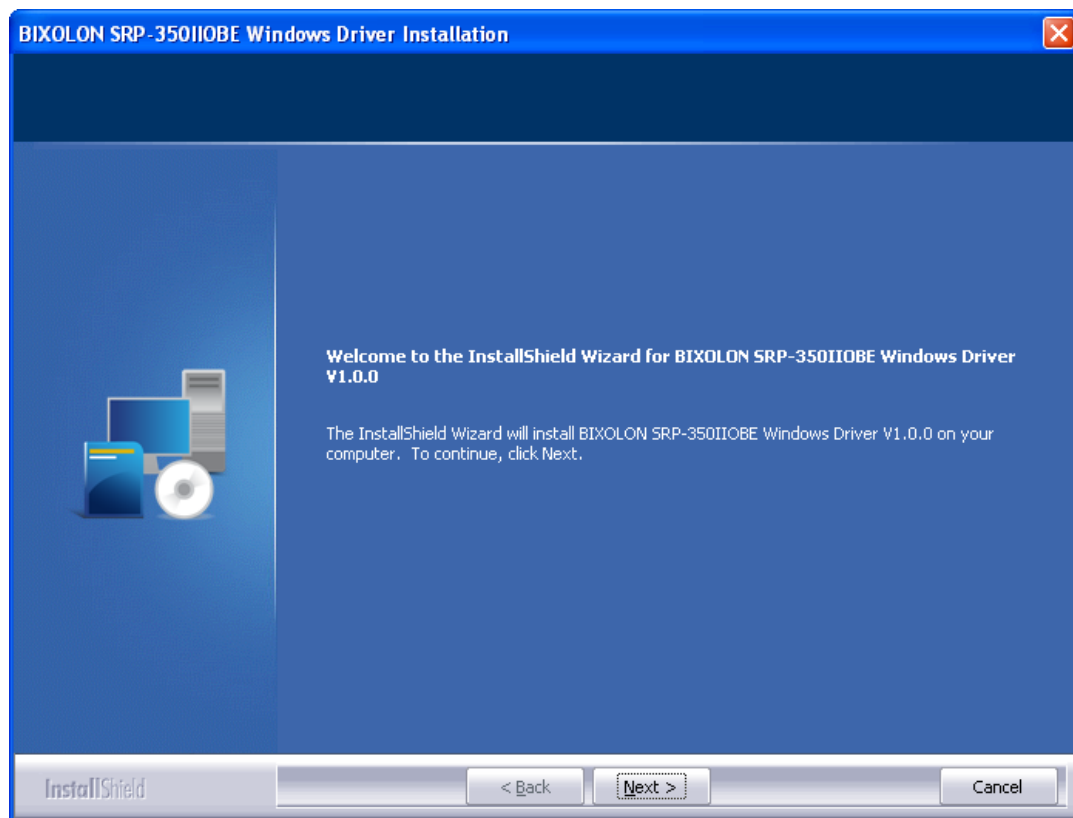
※ Control Panel – Printers and Faxes.

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

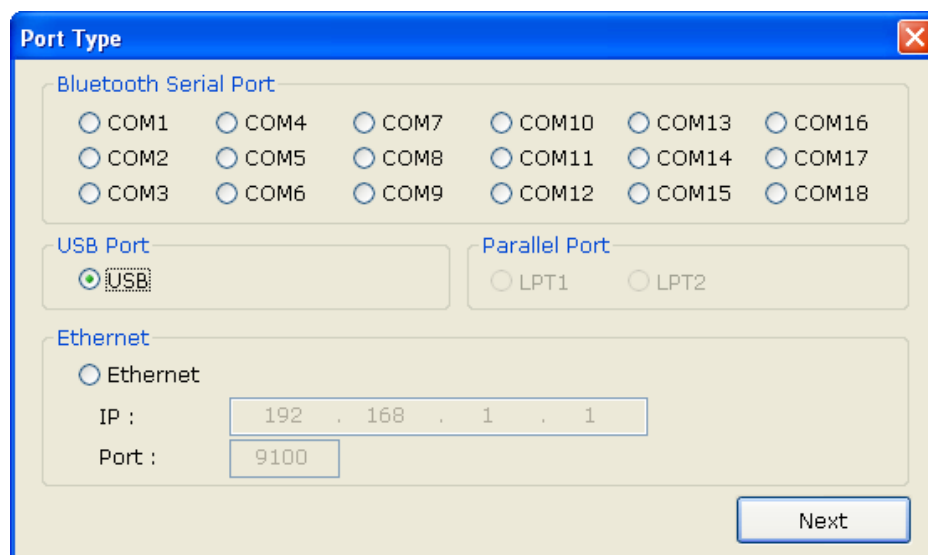


**4-1-2 Via USB Port**

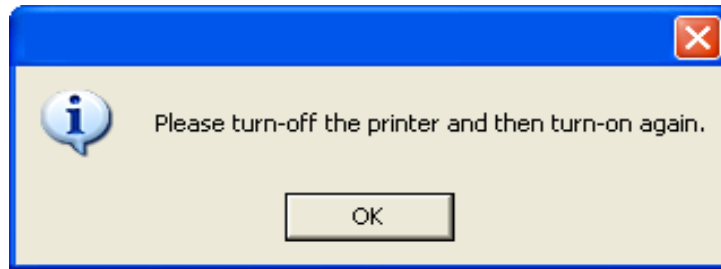
- 1) Double-click the Windows Driver installation file.
- 2) Click **Next**.



- 3) Select **USB** and then click **Next**.



4) Click **OK**.

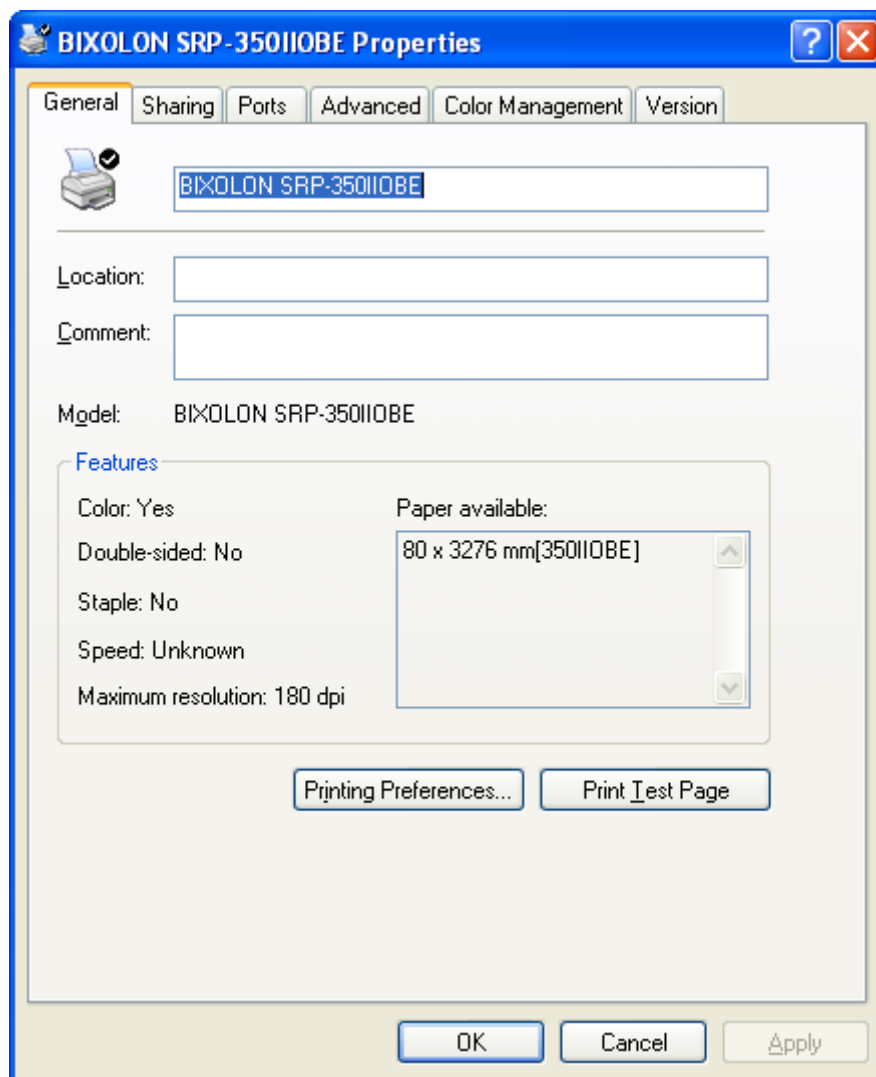


5) Turn off the printer and then turn it on. The printer driver will be installed automatically.

6) Open the printer properties window in the Windows OS.

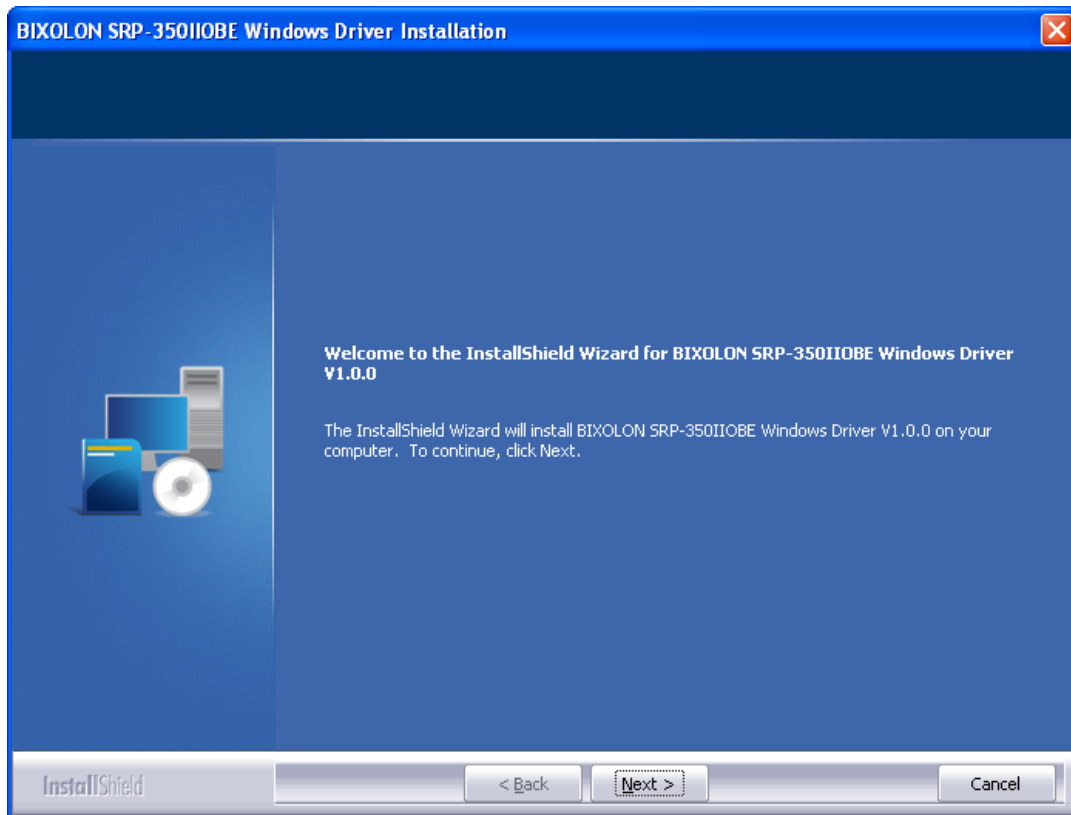
※ Control Panel – Printers and Faxes.

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

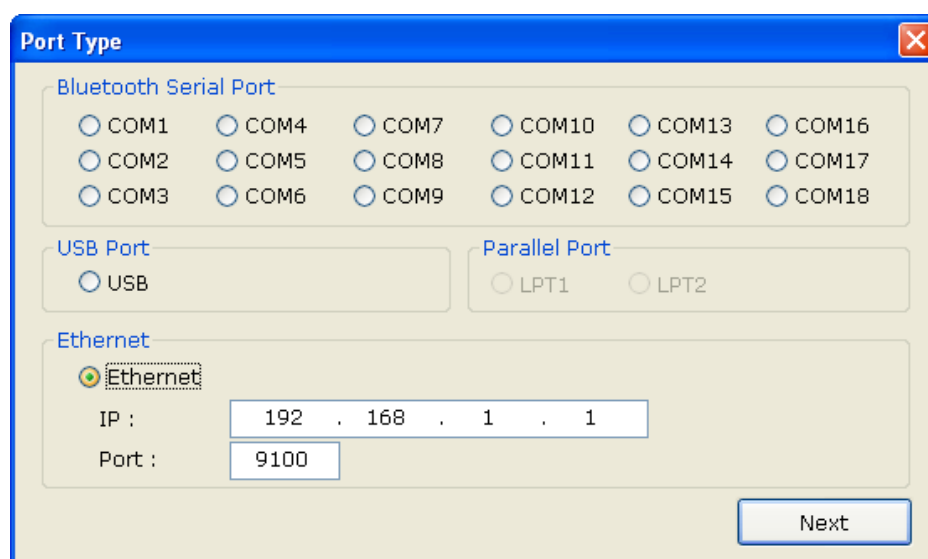


#### 4-1-3 Via Ethernet Port

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

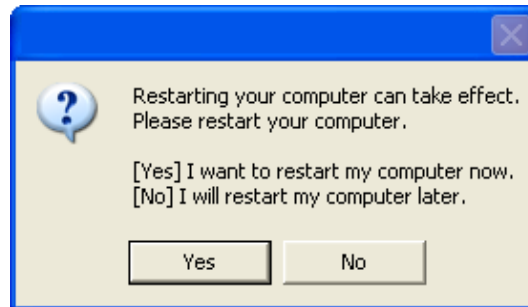


- 3) Select **Ethernet**.
- 4) Enter the IP address and port number, and then click **Next**.





5) Click **Yes** to reboot the PC.

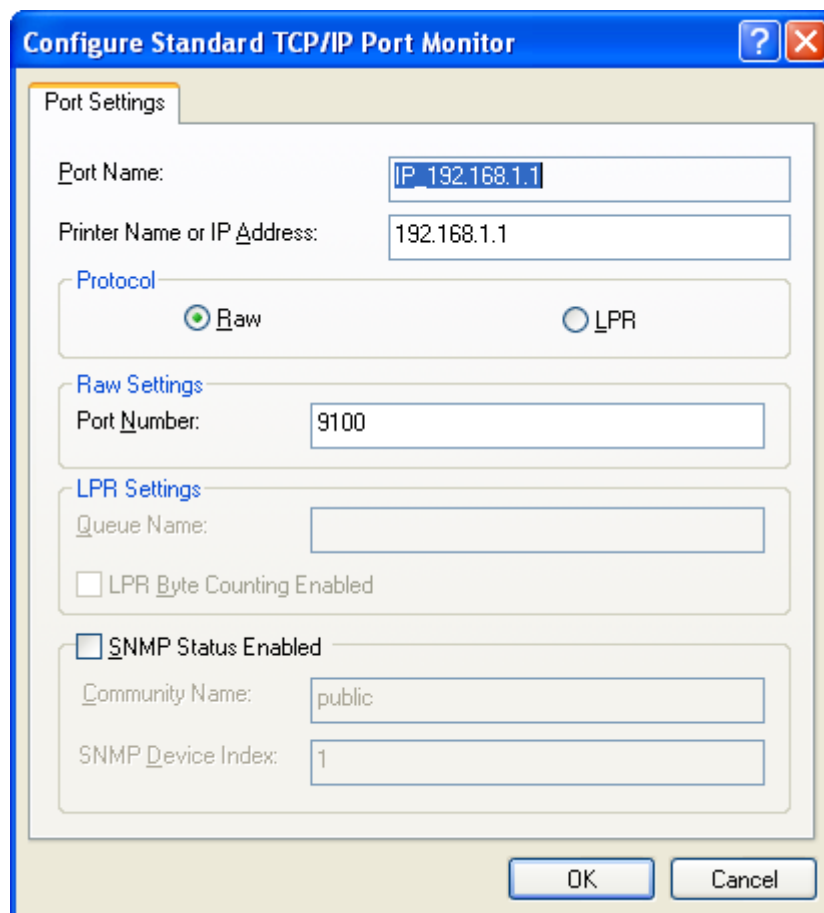


6) Open the printer properties window in the Windows OS.

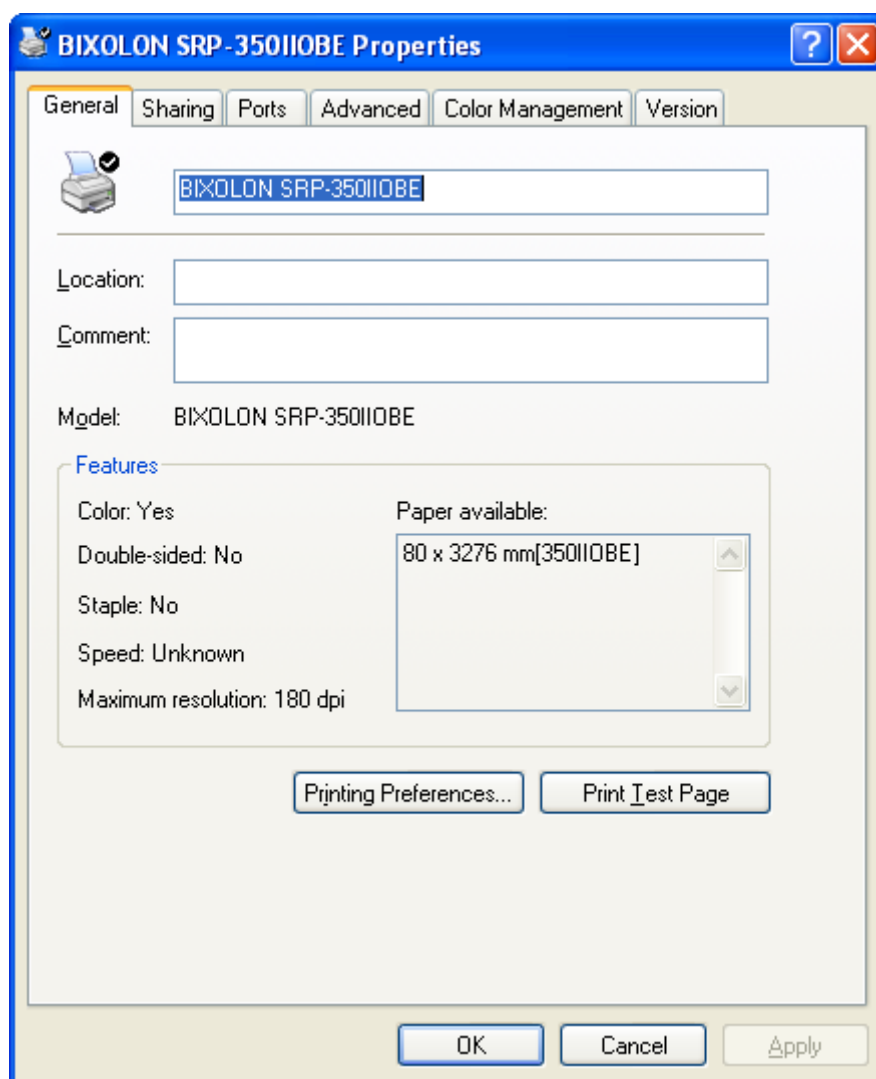
※ Control Panel – Printers and Faxes.

7) In the **Ports** tab, click **Configure Port....**

8) Match the communication settings to those of the printer.

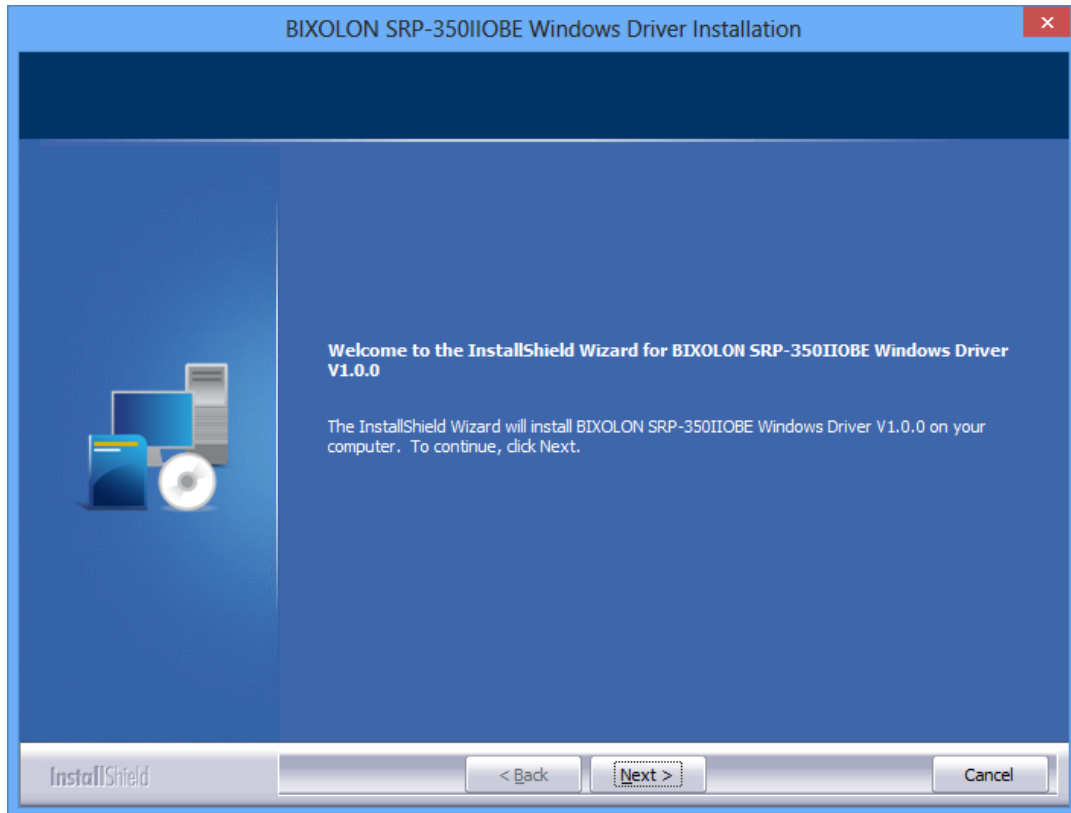


- 9) Click **Print Test Page** and check printing status. Proper installation of the driver is indicated if the test page is printed normally.

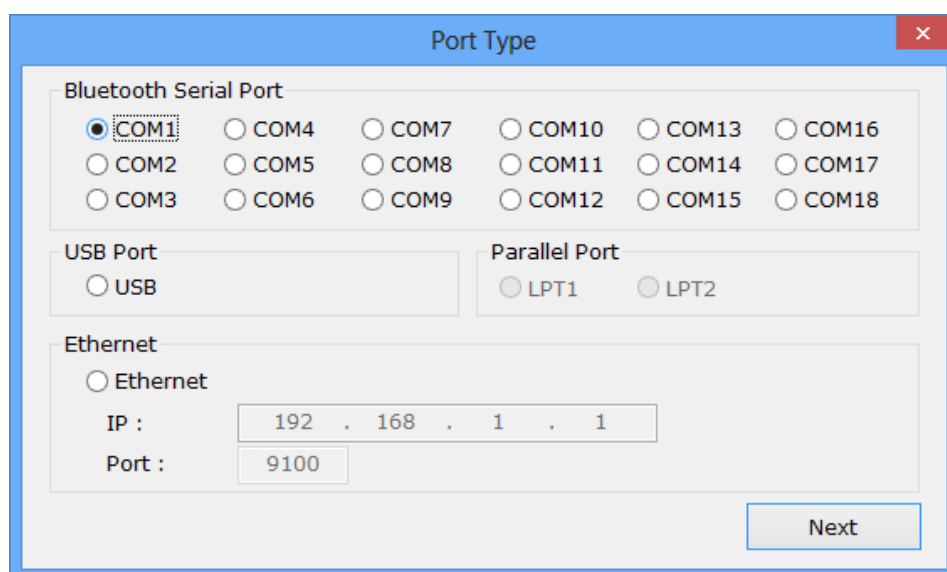


**4-2 Installing on Windows VISTA / Server 2008 / 7 / 8 / Server 2012****4-2-1 Via Bluetooth**

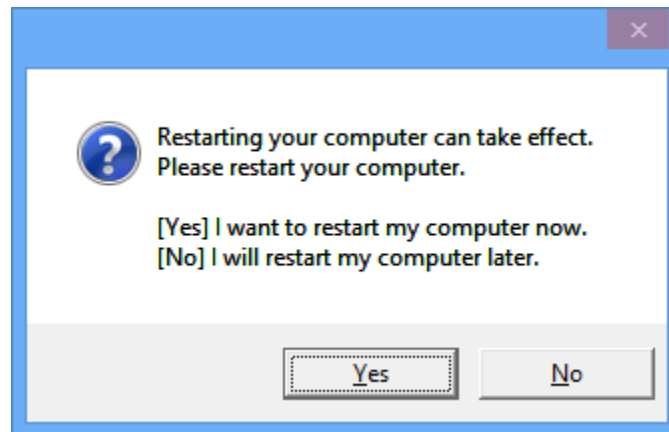
- 1) Double-click the Windows Driver installation file.
- 2) Click **Next**.



- 3) Select a COM port to be used, and then click **Next**.



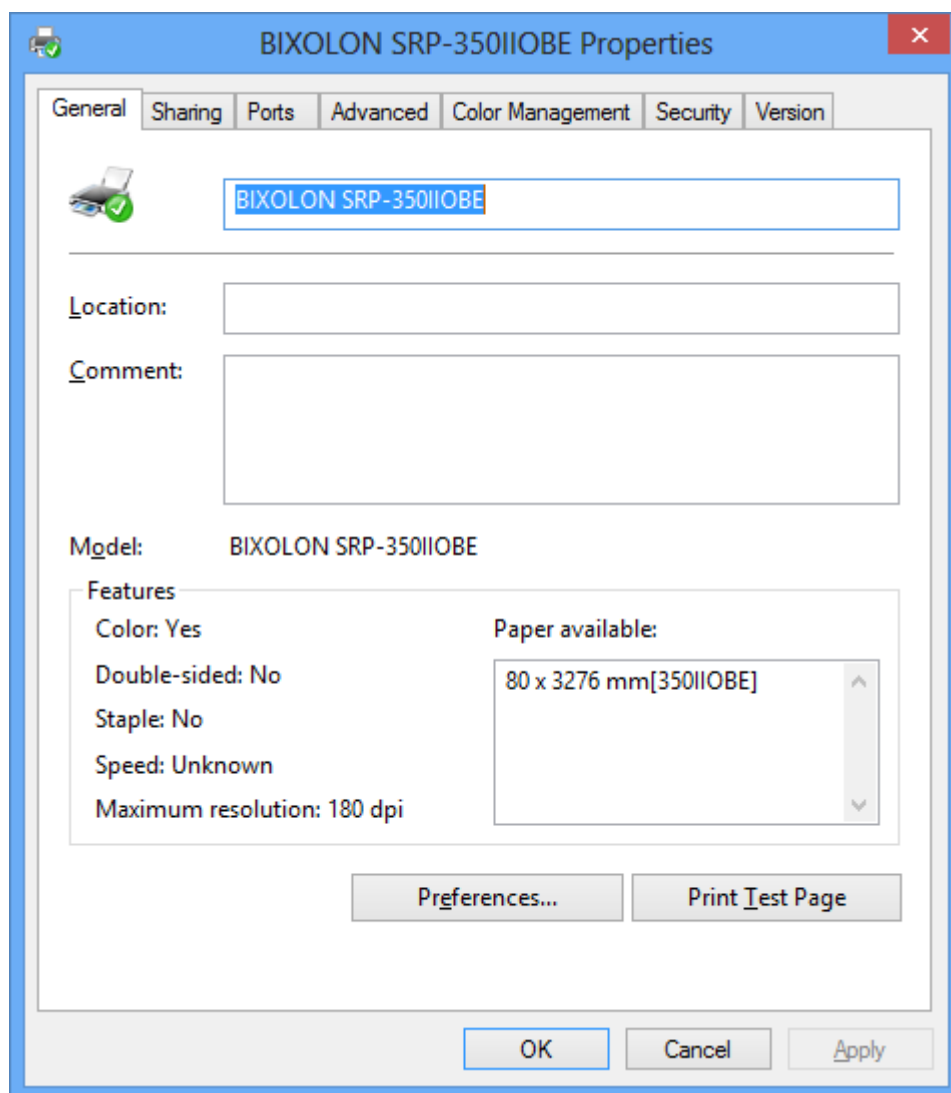
4) Click **Yes** to reboot the PC.



5) Open the printer properties window in the Windows OS.

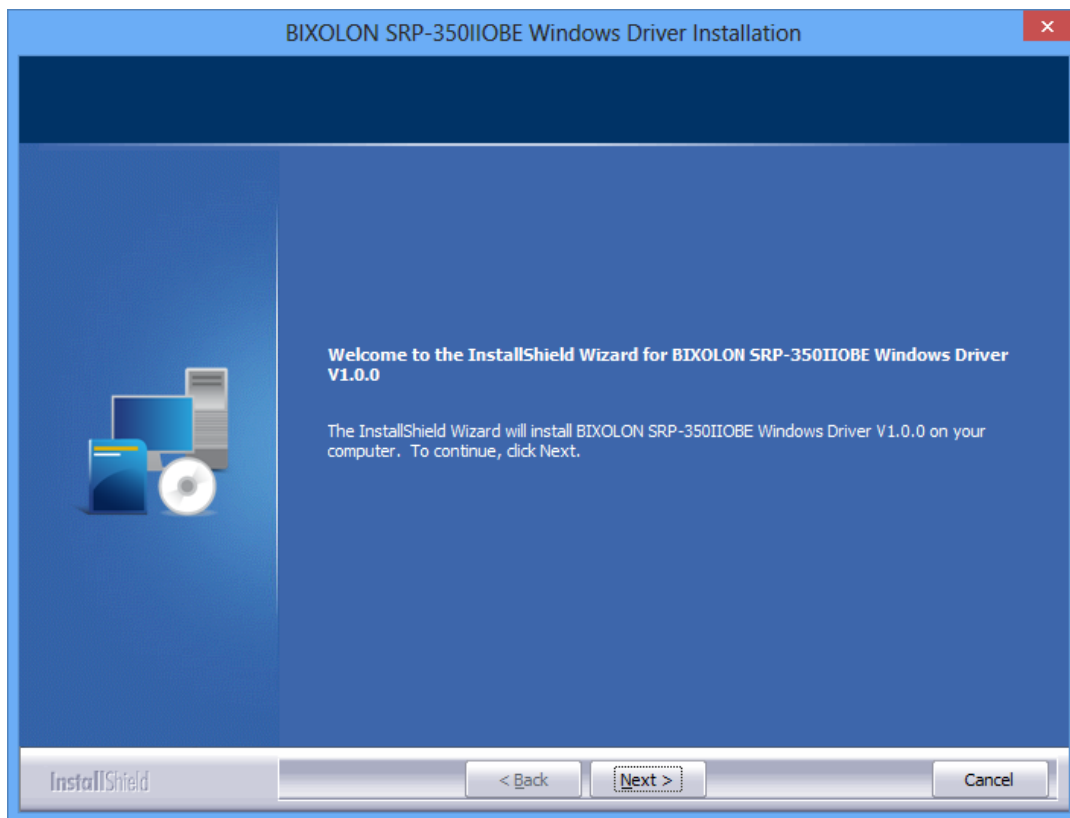
※ Control Panel – Hardware and Sound – Device and Printers.

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

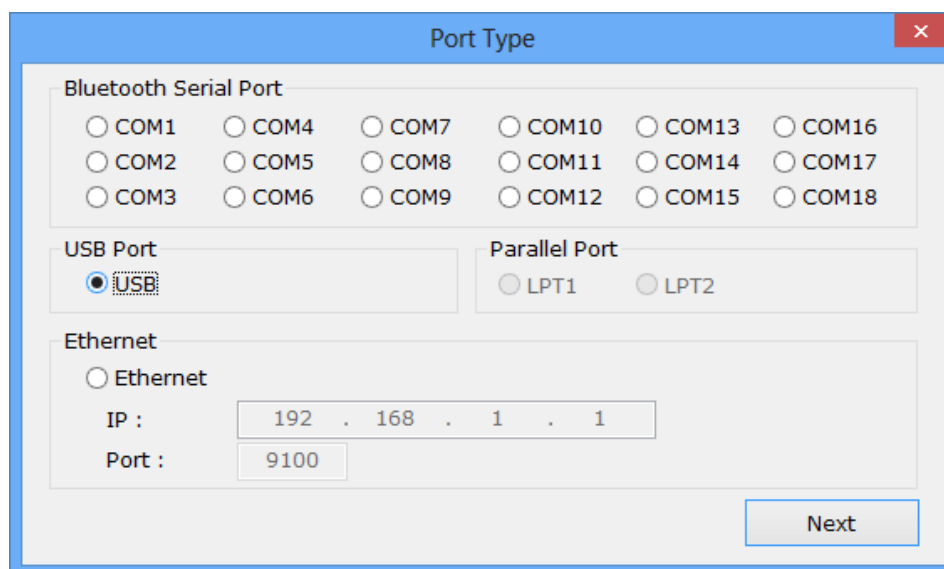


#### 4-2-2 Via USB Port

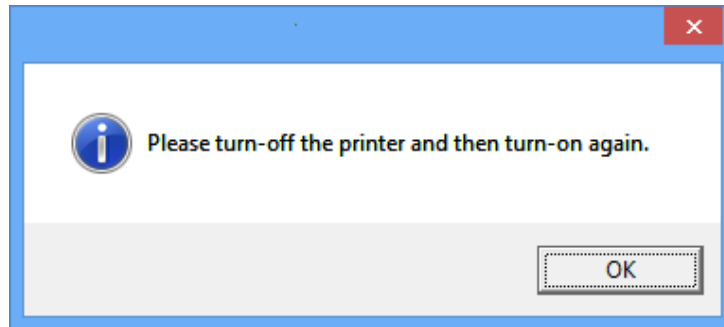
- 1) Double-click the Windows Driver installation file.
- 2) Click **Next**.



- 3) Select **USB** and then click **Next**.



4) Click **OK**.

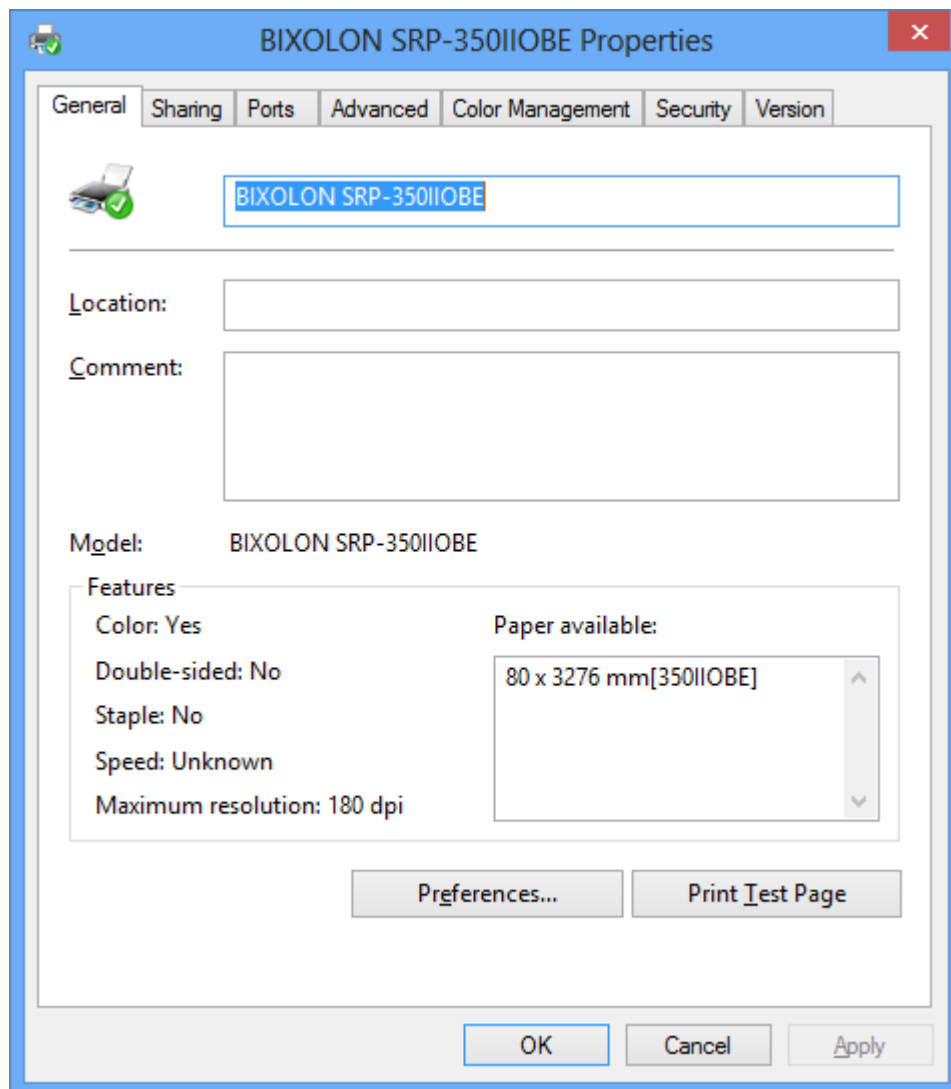


5) Turn off the printer and then turn it on. The printer driver will be installed automatically.

6) Open the printer properties window in the Windows OS.

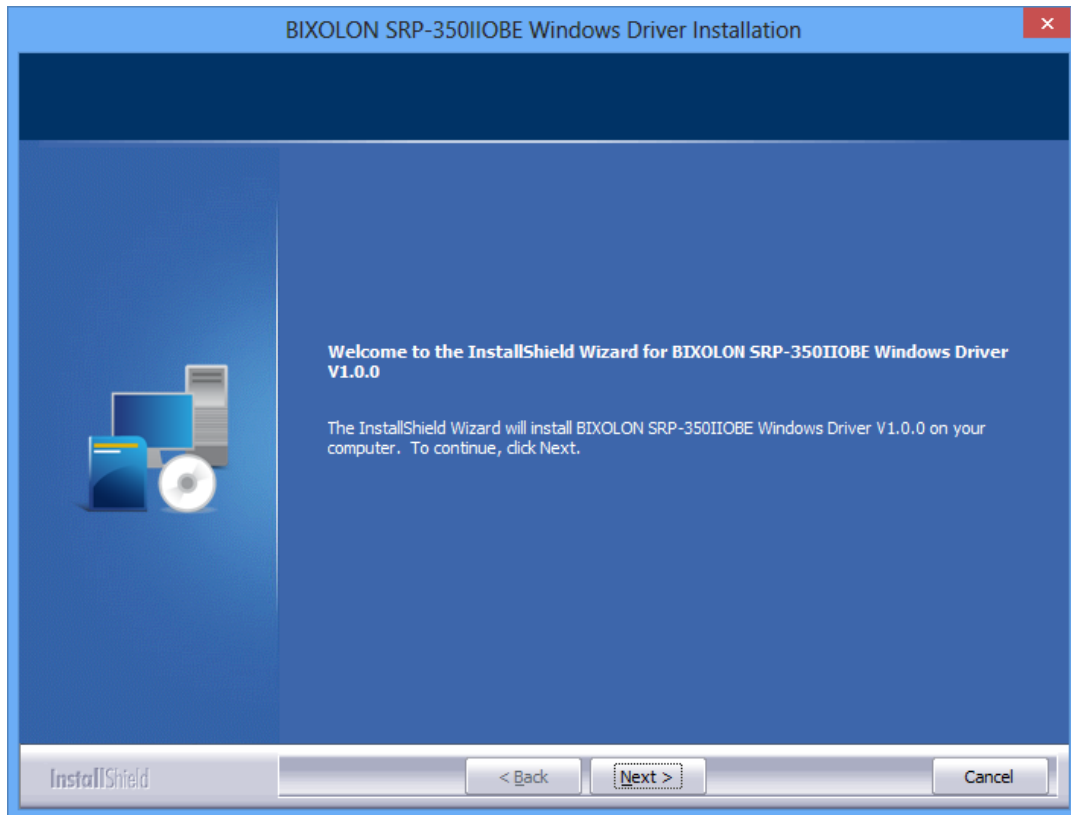
※ Control Panel – Hardware and Sound – Device and Printers.

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

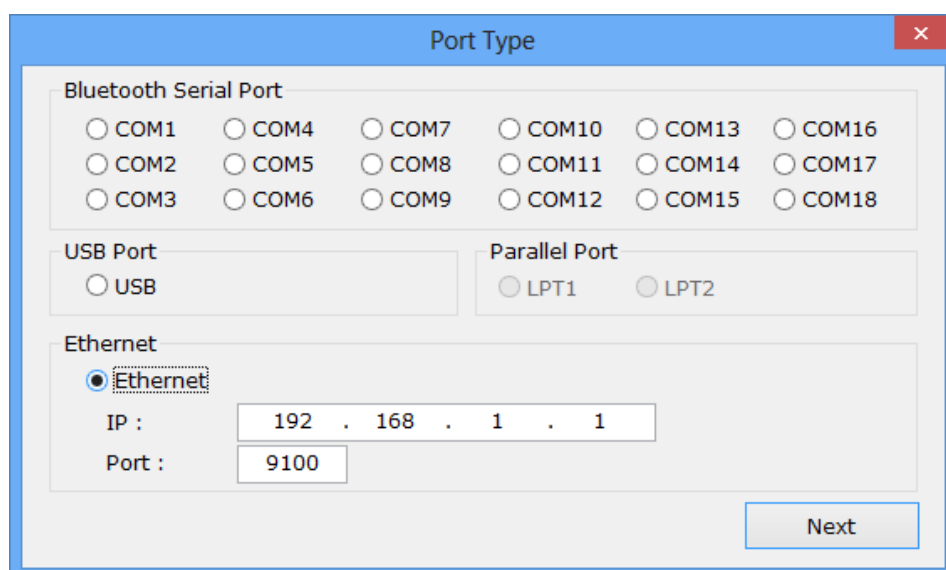


#### 4-2-3 Via Ethernet Port

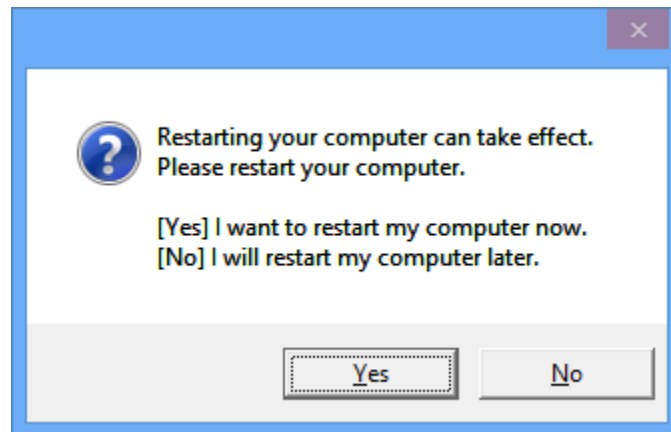
- 1) Double-click the Windows Driver installation file.
- 2) Click **Next**.



- 3) Select **Ethernet**.
- 4) Enter the IP address and port number, and then click **Next**.



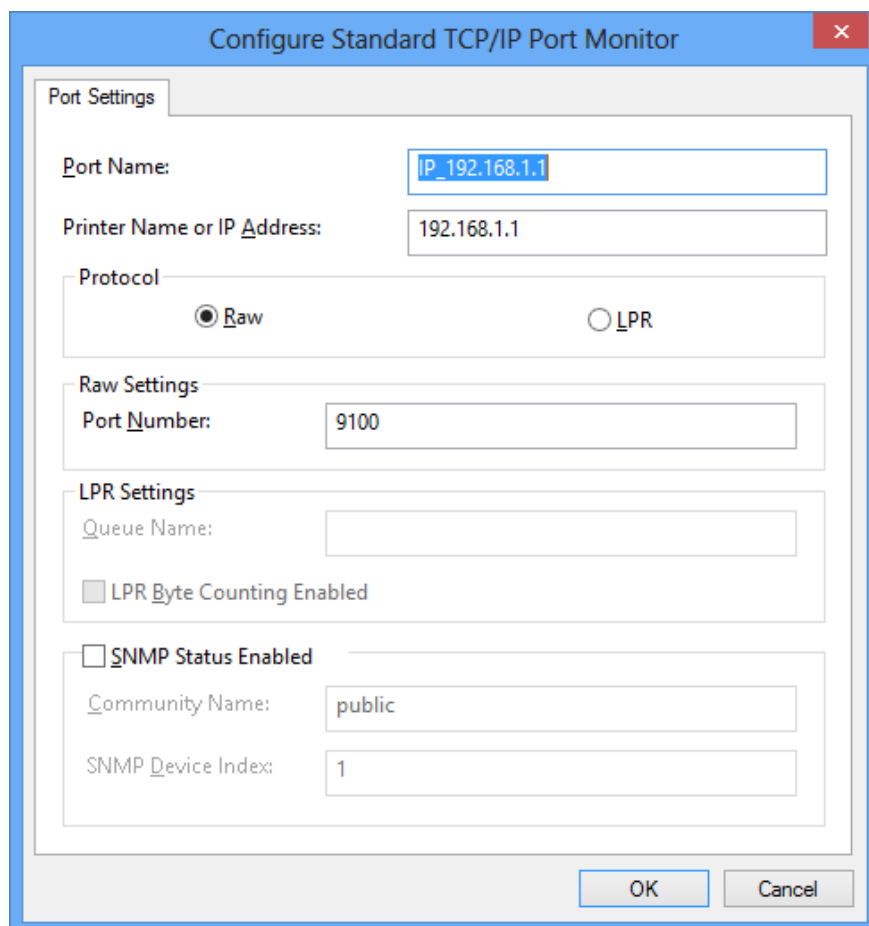
5) Click **Yes** to reboot the PC.



6) Open the printer properties window in the Windows OS.  
※ Control Panel – Hardware and Sound – Device and Printers.

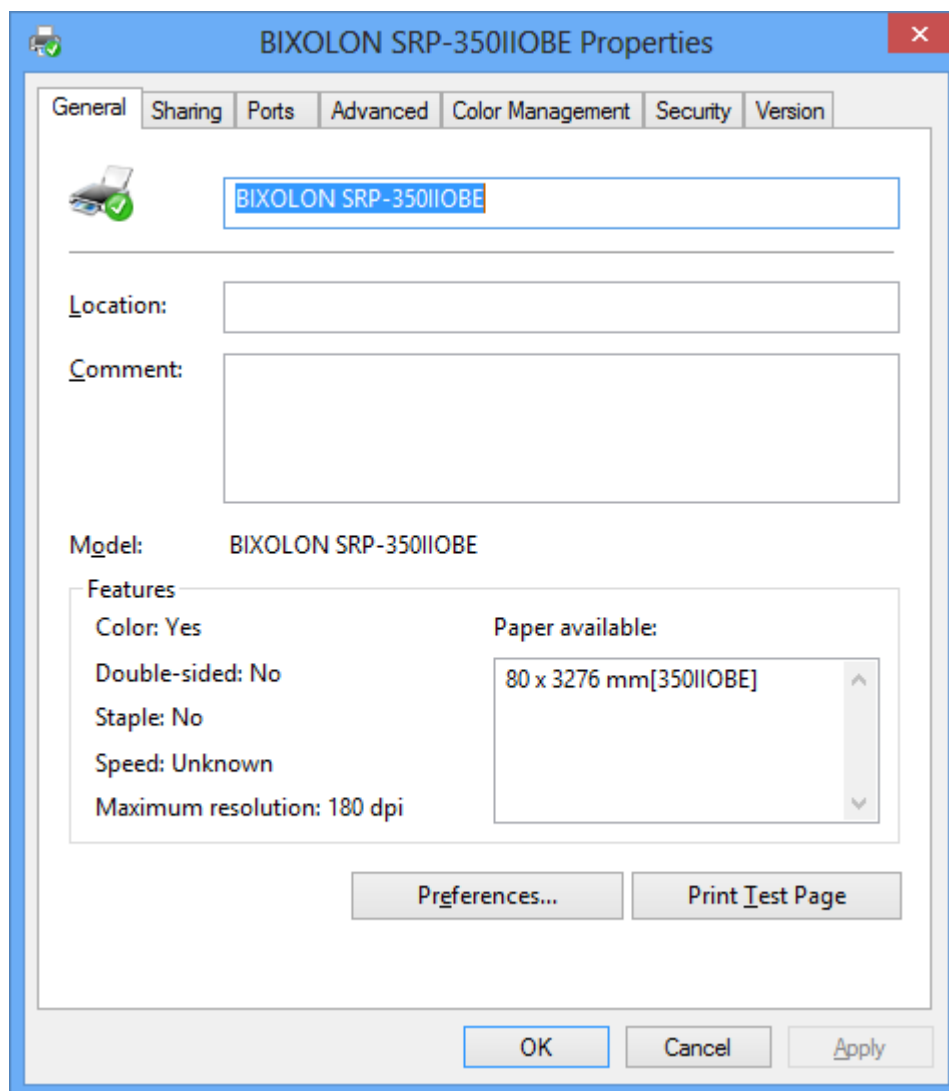
7) In the **Ports** tab, click **Configure Port....**

8) Match the communication settings to those of the printer.





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



## 5. Windows Driver Settings

The following functions can be configured after installing the Windows driver.

### 5-1 Layout

The screenshot shows the 'Layout' tab of the Windows Driver Settings window. The window has five tabs: 'Layout', 'Document Settings', 'NV Image', 'Barcode', and 'Utility'. The 'Layout' tab is active and contains the following settings:

- Paper**
  - Paper Size : 80 x 3276 mm (dropdown menu with a blue border and a '...' button)
  - Paper Type : Receipt (dropdown menu)
- Number of copies**
  - Copies : 1 (spin box with range [ 1 .. 255 ])
- Color**
  - ☒ Monochrome
  - ☐ Color
- Orientation**
  - ☒ Portrait
  - ☐ Landscape
- Image Rotation**
  - ☒ Normal
  - ☐ Rotation by 90 Degrees [CW]
  - ☐ Rotation by 180 Degrees [CW]
  - ☐ Rotation by 270 Degrees [CW]
- Crop Function**
  - ☐ Top Crop Length: 0 [ mm ] (spin box)
  - ☐ Bottom Crop Length: 0 [ mm ] (spin box)

- 1) Open the Printer Properties window for the corresponding OS.
- 2) In the **General** tab, click **Preferences** (Printing Preferences).
- 3) Click the **Layout** tab.

**5-1-1 Paper Size**

Paper size of **80 x 3276 mm** is selected by default, and the following sizes can be selected.

80 × 40 mm	80 × 160 mm	80 × 3276 mm
80 × 80 mm	80 × 200 mm	
80 × 120 mm	80 × 297 mm	

If a custom paper size is required, click “...” to add or update a custom paper size. Click **Save** after specifying the paper width/length and a paper name. If the specified paper name already exists on the system, you can update the paper width/length.

Valid Paper Width : 25.4 mm ~ 72.0 mm  
Valid Paper Length : 25.4 mm ~ 3276.0 mm

The 'Paper Size' dialog box contains a list box with 'NewPaperSize' selected. To the right of the list box is a 'Delete' button. Below the list box, there is a 'Paper Name' field containing 'NewPaperSize' and a 'Save' button. Further down, there are two rows: 'Valid Paper Width' with a spinner set to '72.0' and a range of 'mm [ 25.4 - 72.0 ]', and 'Valid Paper Length' with a spinner set to '297.0' and a range of 'mm [ 25.4 - 3276.0 ]'. A 'Close' button is located at the bottom right.

You can choose the new paper size on the **Paper Size** combo-box after adding a paper size.

The 'Document Settings' tab is active. Under the 'Paper' section, 'Paper Size' is a dropdown menu showing 'NewPaperSize' with a blue highlight, and 'Paper Type' is a dropdown menu showing 'Receipt'. To the right of the 'Paper Size' dropdown is a button with three dots (...). Below the 'Paper' section is the 'Number of copies' section, which includes a 'Copies' label and a spinner box set to '1' with a range of '[ 1 .. 255 ]'.

**Delete button** : Deletes the paper size selected in the list.

**Save button** : Adds a new paper size or update the paper size selected in the list if the paper name already exists on the system.

### 5-1-2 Paper Type

You can choose **Receipt** or **Ticket** as paper types. Receipt allows flexible paper length according to the data length. Ticket print in fixed length even the print data is short. Default setting is “Receipt”.

Receipt : Receipt allows flexible paper length according to the data length.

Ticket : Ticket print in fixed length even the print data is short.

The screenshot shows the 'Document Settings' dialog box with the 'Layout' tab selected. The 'Paper' section includes a 'Paper Size' dropdown set to '80 x 3276 mm' and a 'Paper Type' dropdown set to 'Receipt', with a dropdown menu open showing 'Receipt' and 'Ticket'. The 'Number of copies' section has a 'Copies' input field set to '1'. The 'Color' section has 'Monochrome' selected with a radio button. The 'Orientation' section has 'Portrait' selected with a radio button. The 'Image Rotation' section has 'Normal' selected with a radio button. The 'Crop Function' section has 'Top Crop Length' and 'Bottom Crop Length' both set to '0' mm.

### 5-1-3 Copies

Copies are printed by specifying the copy count. The copy count is set to 1 by default. Set this value bigger than 1 to set the number of copies to print. The value should be within the range of 1 to 255.

### 5-1-4 Color

The Color is set to **Monochrome** by default. Select **Color** if you are using two color thermal paper (i.e. Red & Black).

#### 5-1-5 Image Rotation

Image rotation is available for image data only and available in “**Monochrome**” mode. Rotation for device fonts or barcodes font is not supported. The color type will be changed to “Monochrome” mode automatically if this function is used in the **color** mode.

#### 5-1-6 Crop Function

This function crops the upper and lower end of the printing area by the specified number. It helps reduce the margin at the top and bottom when there is excessive margin. The value should be within the range of 1 to 99.

#### 5-1-7 Orientation

Printing orientation can be set to **Portrait** (which is the default) or **Landscape**. It is not possible to use device fonts and device barcodes in landscape.

**Portrait:** Printing in the vertical direction.

**Landscape:** Printing in the horizontal direction.

## 5-2 Document Settings

The screenshot shows the 'Document Settings' dialog box with the following sections:

- Send Command:**
  - Start Doc : [ ]
  - Start Page : [ ]
  - End Page : [ ]
  - End Doc : [ ]
  - Example : <1B4A00>
- Cash Drawer / Internal Beep:**
  - ☐ Open before printing #1 [ 50 ] [ ms ]
  - ☐ Open before printing #2 [ 50 ] [ ms ]
  - ☐ Open after printing #1 [ 50 ] [ ms ]
  - ☐ Open after printing #2 [ 50 ] [ ms ]
  - ☐ Beep sound before printing [ 50 ] [ ms ]
  - ☐ Beep sound after printing [ 50 ] [ ms ]
- Line Feed:**
  - Line-feeds after printing : [ 0 ] [ 0 .. 99 ]
- Paper Cut:**
  - ☐ Page / Job : No Cut / No Cut
  - ☒ Page / Job : No Cut / Partial Cut
  - ☐ Page / Job : Partial Cut / Partial Cut

- 1) Open the Printer Properties window for the corresponding OS.
- 2) In the **General** tab, click **Preferences** (Printing Preferences).
- 3) Click the **Document Settings** tab.

### 5-2-1 Send Command

The Windows driver serves to receive the content for print from an application and send it to the printer. The "Send Commands" function allows for the addition of desired commands at the start or end of the print content.

Start Doc : Addition of command at the beginning of the document.  
 Start Page : Addition of command at the beginning of the page.  
 End Page : Addition of command at the end of the page.  
 End Doc : Addition of command at the end of the document.

For more information on the hexadecimals that can be entered in "Start Doc", "Start Page", "End Page" and "End Doc", refer to the Control Commands Manual.

#### 5-2-2 Cash Drawer / Internal Beep

To open a cash-drawer before printing, tick “Open before printing #1” or “Open before printing #2”.

To open a cash-drawer after printing, tick “Open after printing #1” or “Open after printing #2”.

To make a beep sound when printing, tick “Beep sound before printing” or “Beep sound after printing”.

#### 5-2-3 Line Feed

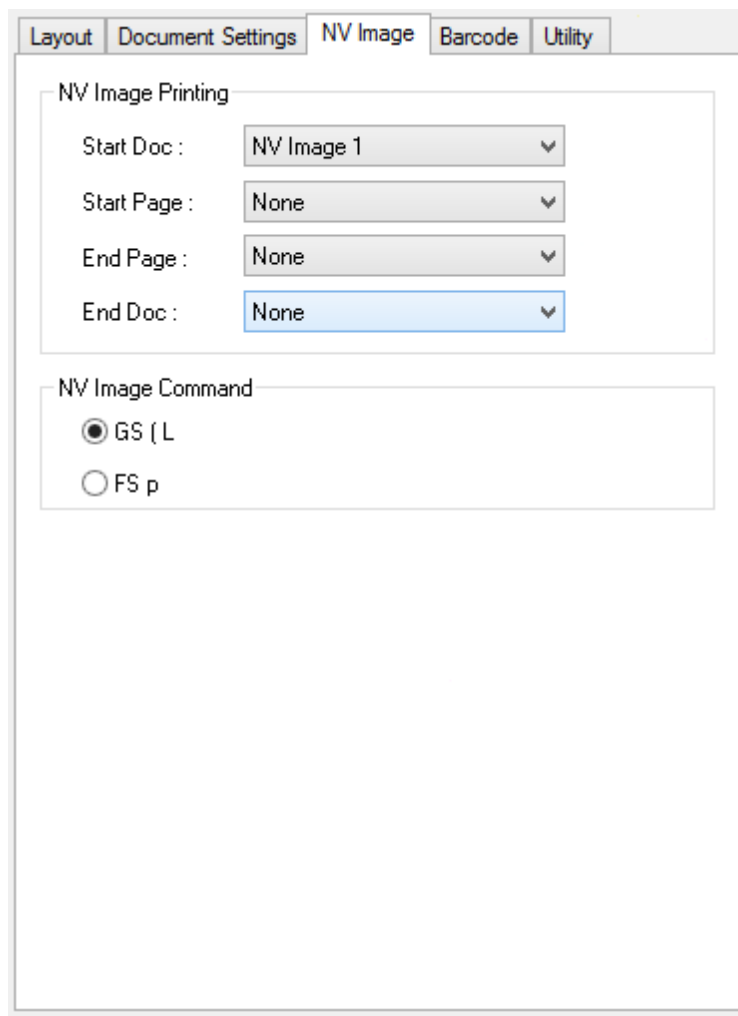
It is possible to set the number of line feeds between 0 and 99 for adding blank lines at the end of printing.

#### 5-2-4 Cut

Paper can be cut at the end of each page or each document (job).

Page/Job : No Cut / No Cut	:	Paper is not cut after printing.
Page/Job : No Cut / Partial Cut	:	Paper is cut at the end of each document (Job).
Page/Job : Partial Cut / Partial Cut	:	Paper is cut at the end of each page.

### 5-3 NV Image



- 1) Open the Printer Properties window for the corresponding OS.
- 2) In the **General** tab, click **Preferences** (Printing Preferences).
- 3) Click the **NV Image** tab.

The position to print NV image stored in the printer can be set at the beginning and/or end of the document and beginning and end of each page. Also, there are two commands for NV Image printing. Take care of selecting one of the two commands because NV images cannot be printed depending on the selected command.

- ※ NV graphics: “FS p”
- ※ NV bit image: “GS ( L”

Start Doc	:	Insert NV image at the top of the document.
Start Page	:	Insert NV image at the top of the page.
End Page	:	Insert NV image at the end of the page.
End Doc	:	Insert NV image at the end of the document.



## 5-4 Barcode

The screenshot shows a software window with five tabs: Layout, Document Settings, NV Image, Barcode, and Utility. The Barcode tab is selected. It contains two sections: 1D-Barcodes and 2D-Barcodes. The 1D-Barcodes section has a 'Font Name' dropdown set to 'Barcode1', a 'Type' dropdown set to 'UPC-A', and a 'Properties' button. The 2D-Barcodes section has a 'Font Name' dropdown set to '2D-Code1', a 'Type' section with two radio buttons ('PDF417' is selected and 'QR Code' is unselected), and a 'Properties' button.

Section	Font Name	Type	Properties
1D-Barcodes	Barcode1	UPC-A	Properties
2D-Barcodes	2D-Code1	<input checked="" type="radio"/> PDF417 <input type="radio"/> QR Code	Properties

- 1) Open the Printer Properties window for the corresponding OS.
- 2) In the **General** tab, click **Preferences** (Printing Preferences).
- 3) Click the **Barcode** tab.

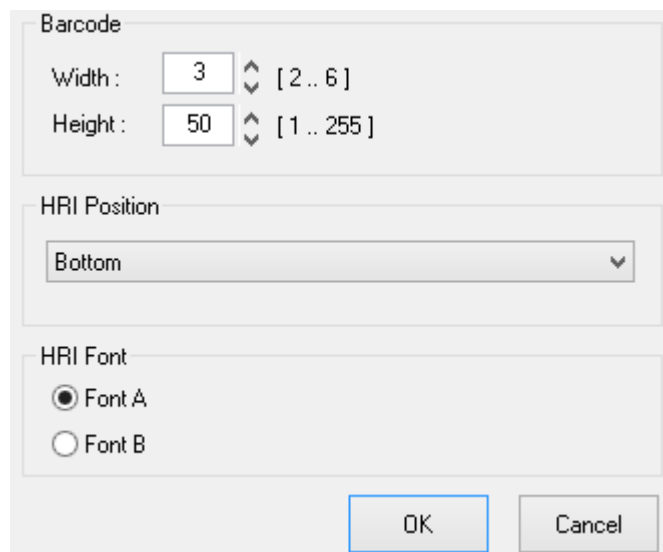
**5-4-1 1d Barcodes**

Windows driver supports one-dimensional barcode fonts as shown in the following table. Barcodes can be printed on the printer by using following font names.

Font Name	Type (Symbology)	Size (Point)	Supported Characters
Barcode1	UPC-A	20 / 40 / 60 / 80	Numeric: 0~9
Barcode2	UPC-E	20 / 40 / 60 / 80	Numeric: 0~9
Barcode3	JAN13 (EAN)	20 / 40 / 60 / 80	Numeric: 0~9
Barcode4	JAN8 (EAN)	20 / 40 / 60 / 80	Numeric: 0~9
Barcode5	Code39	20 / 40 / 60 / 80	Numeric: 0~9 Symbols: \$, +, -, ., / Letters: A~Z
Barcode6	ITF	20 / 40 / 60 / 80	Numeric: 0~9
Barcode7	Codabar	20 / 40 / 60 / 80	Numeric : 0~9 Symbols: \$, +, -, ., /, : Letters: A~D
Barcode8	Code93	20 / 40 / 60 / 80	ASCII CODE: 0~127
Barcode9	Code128	20 / 40 / 60 / 80	ASCII CODE: 0~127

Detailed settings for one-dimensional barcode

Select a **Font Name** and **Type** of one-dimensional barcode, and then click **Properties**.



The image shows a 'Barcode' properties dialog box. It contains three main sections: 'Barcode' with 'Width' (3) and 'Height' (50) spinners; 'HRI Position' with a dropdown menu set to 'Bottom'; and 'HRI Font' with two radio buttons, 'Font A' (selected) and 'Font B'. At the bottom are 'OK' and 'Cancel' buttons.

The width, height, HRI (Human Readable Interpretation) position, and HRI Font can be programmed from this window.

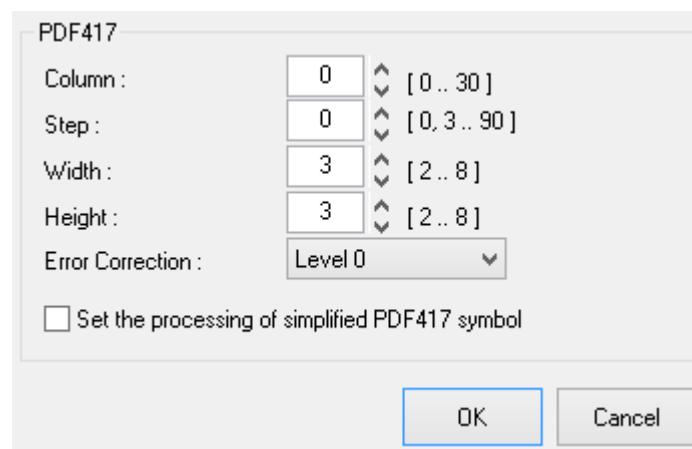
### 5-4-2 2d Barcodes

Windows driver supports two-dimensional barcode fonts as shown in the following table. Barcodes can be printed on the printer by using following font names.

Font Name	Type (Symbology)	Size (Point)
2D-Code1	PDF417	9.5
2D-Code2	QR Code	9.5

Detailed settings for two-dimensional barcode

Select a **Font Name** and **Type** of two-dimensional barcode, and then click **Properties**. The width, height, size, and error compensation level can be configured depending on the type of two-dimensional barcode from this window as shown in the following picture.



PDF417

Column : 0 [ 0 .. 30 ]

Step : 0 [ 0, 3 .. 90 ]

Width : 3 [ 2 .. 8 ]

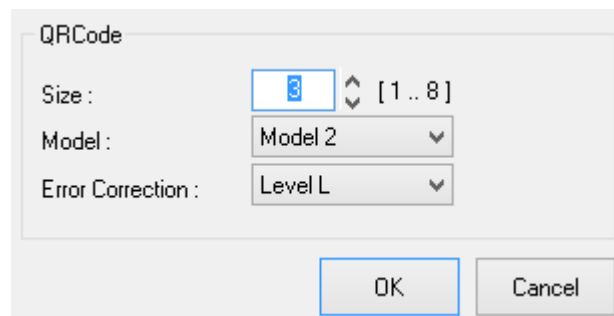
Height : 3 [ 2 .. 8 ]

Error Correction : Level 0

☐ Set the processing of simplified PDF417 symbol

OK Cancel

<PDF417>



QRCode

Size : 3 [ 1 .. 8 ]

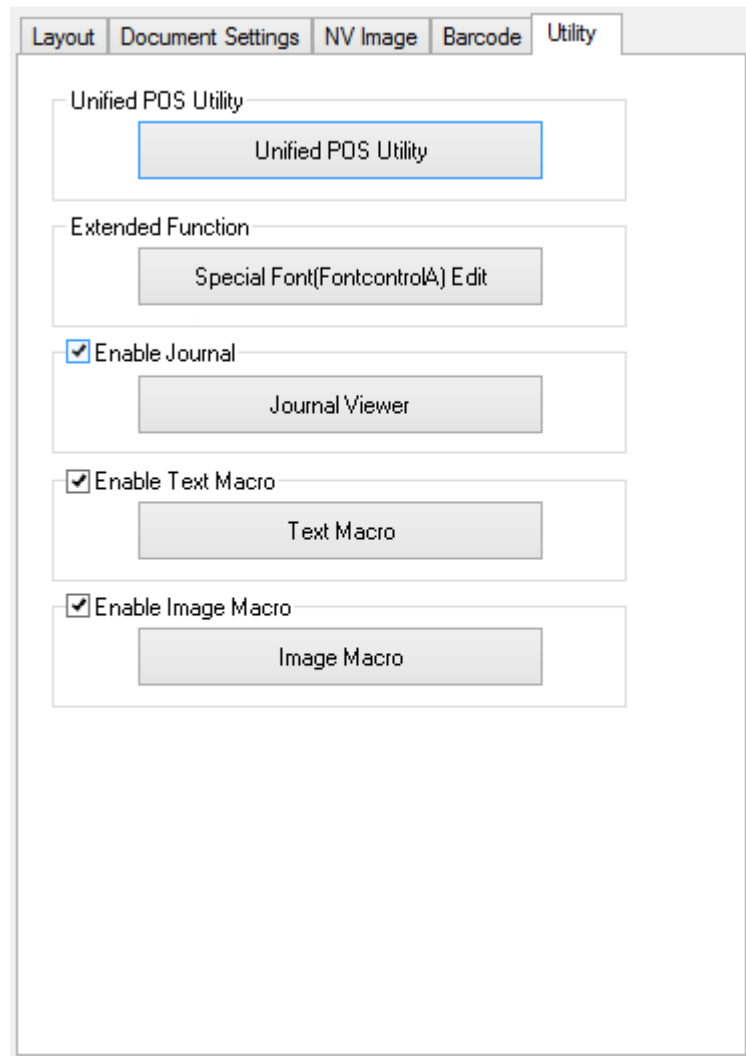
Model : Model 2

Error Correction : Level L

OK Cancel

<QR Code>

## 5-5 Utility



- 1) Open the Printer Properties window for the corresponding OS.
- 2) In the **General** tab, click **Preferences** (Printing Preferences).
- 3) Click the **Utility** tab.

### 5-5-1 Unified POS Utility

Refer to the Unified POS Utility manual contained in the CD for details.

### 5-5-2 Special Font Edit Utility

The purpose of **FontControlA** font is not for text printing. It is used to define the printer command, assign the defined printer command to a specific ASCII character, and send it to the printer. The range of ASCII code that the command can be assigned is from 0x20 to 0x7F, and the command can be easily assigned using this utility.

- 1) Click **Special Font Edit Utility**.
- 2) Select an ASCII code character and enter the print command. All values should be entered in hexadecimal number format.
- 3) Click **Apply** and then click **OK**.

Char	Hex	Command
	20	1B 3D 00
!	21	48 44 48 0A
"	22	
#	23	
\$	24	
%	25	
&	26	
'	27	
(	28	
)	29	
*	2a	
+	2b	
,	2c	
-	2d	
.	2e	
/	2f	
0	30	
1	31	
2	32	
3	33	
4	34	
5	35	
6	36	
7	37	

Char: !

Hex: 21

Apply

Delete

OK

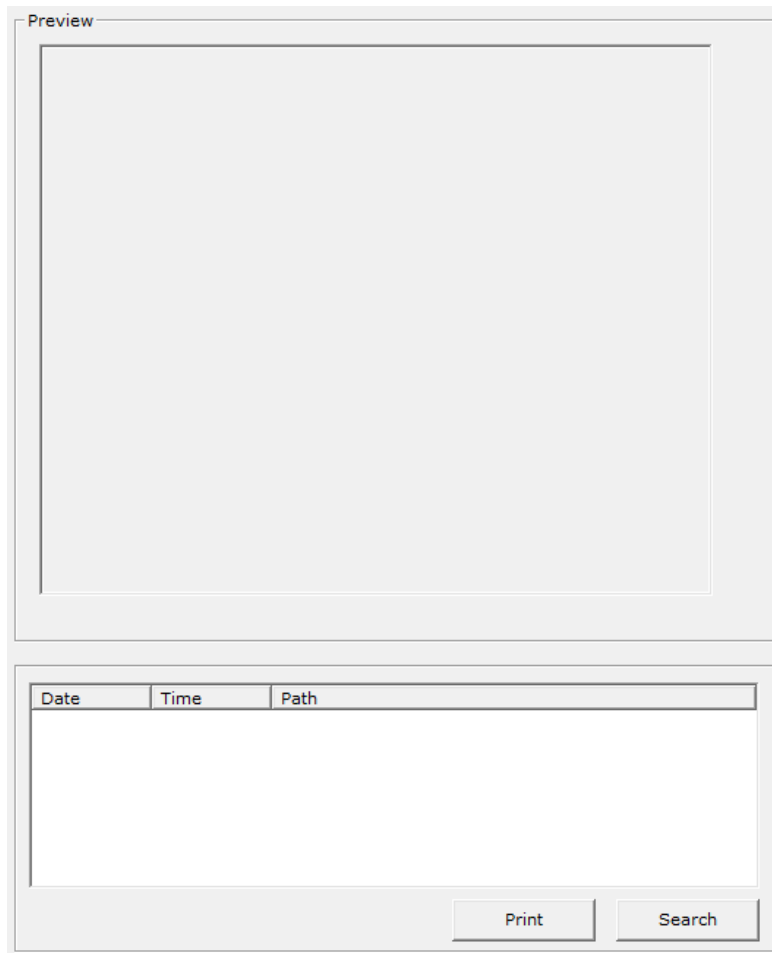
Cancel

Edit: 48 44 48 0A

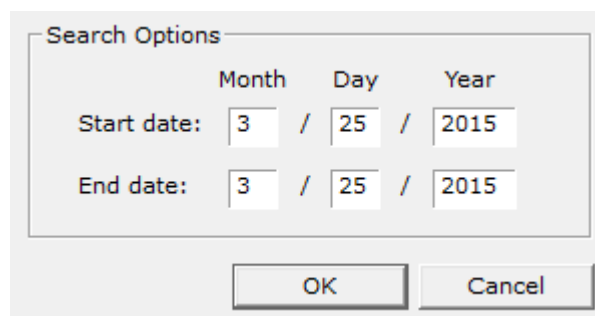
### 5-5-3 Journal Viewer

Journal is a function to save a copy of printed receipts. Copies can be saved without using journal printer with this function. Journal saves each printed document in a file and the saved file can be viewed by using this utility.

- 1) Tick **Enable Journal** to run **Journal Viewer**, and then click **Journal Viewer**.



- 2) Click **Search** to set search condition, and then enter **Start Date** and **End Date**.
- 3) Click **OK** to search the files created within the specified period.

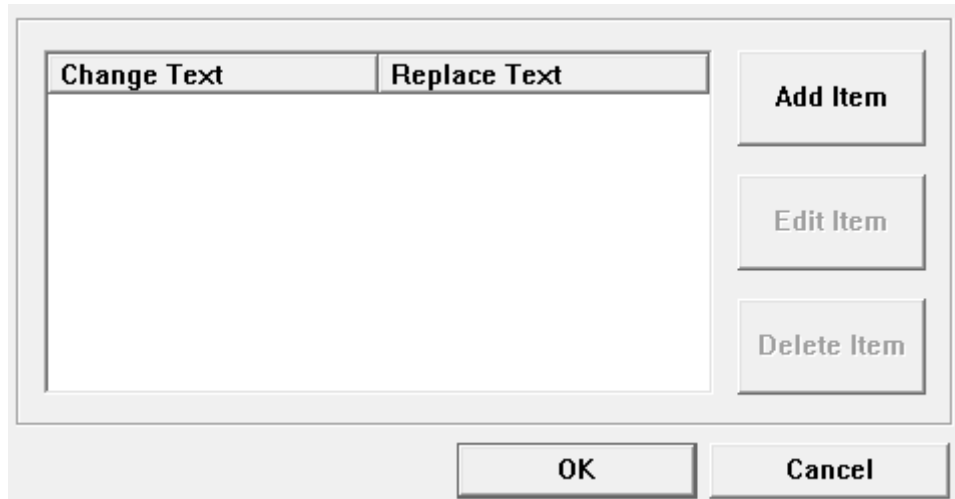


- 4) Select the file to print from the list and click **Print** to send the data stored in the file to the printer.

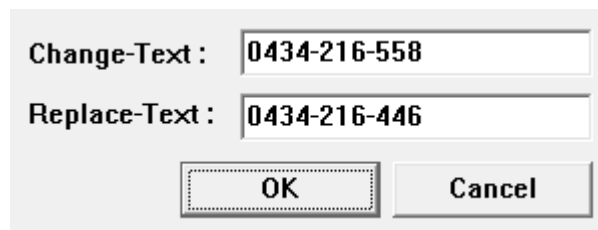
#### 5-5-4 Text Macro

Text Macro is a utility to replace specific text with other text for printing. This function can be used only when using Device Fonts and it has no effect when using True Type Fonts. Detailed instructions are shown below.

- 1) Tick **Enable Text Macro** to run **Text Macro**, and then click **Text Macro**.



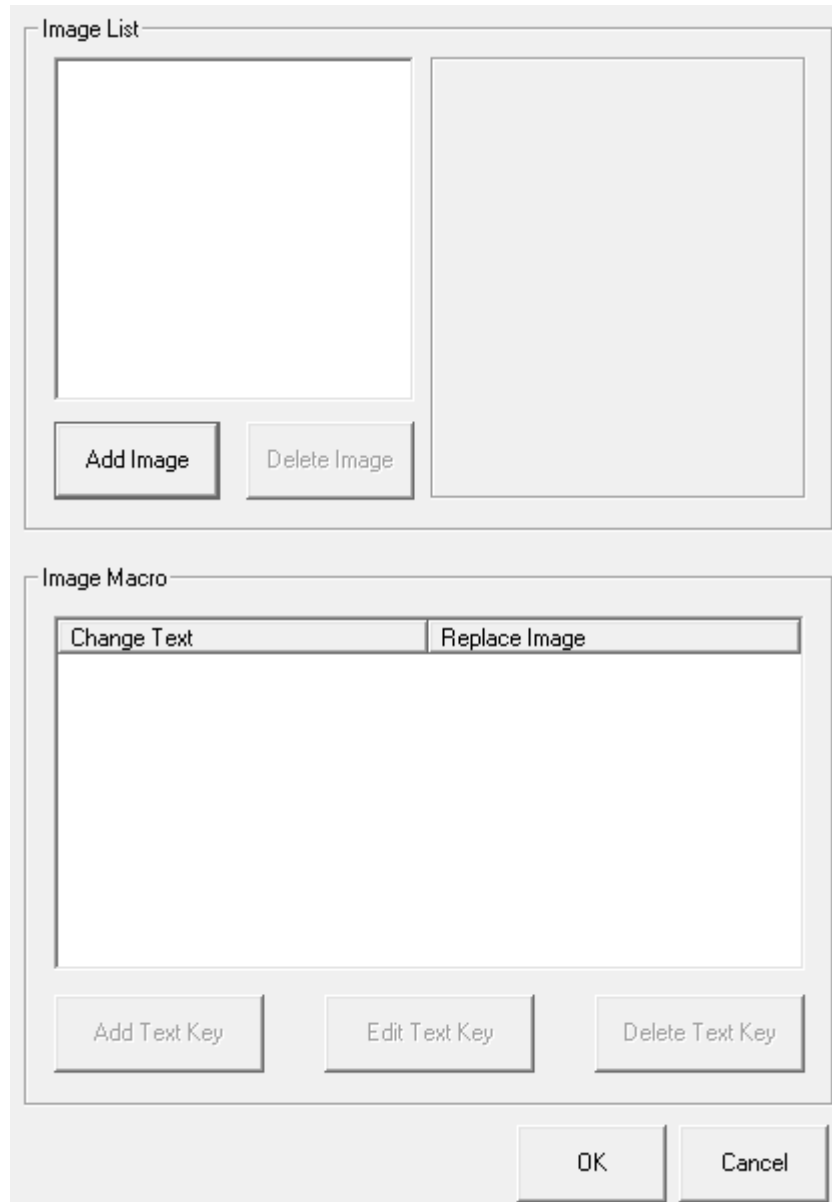
- 2) Click **Add Item** to enter the text to change in **Change-Text**, enter the text to place in **Replace Text**, and click **OK**.



### 5-5-5 Image Macro

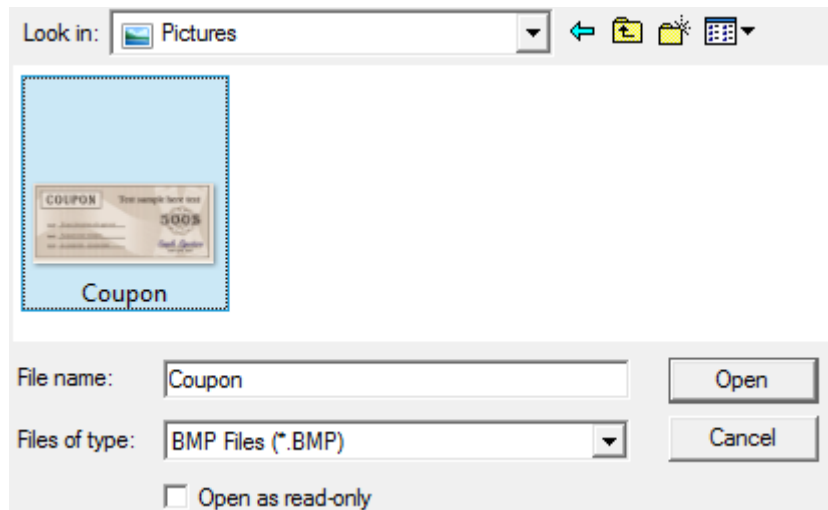
Image Macro is a utility to replace certain text with a specified image for printing. This function is applicable only when using Device Fonts and it has no effect when using TrueType Fonts. Detailed instructions are shown below.

1) Tick **Enable Image Macro** to run **Image Macro**, and then click **Image Macro**.

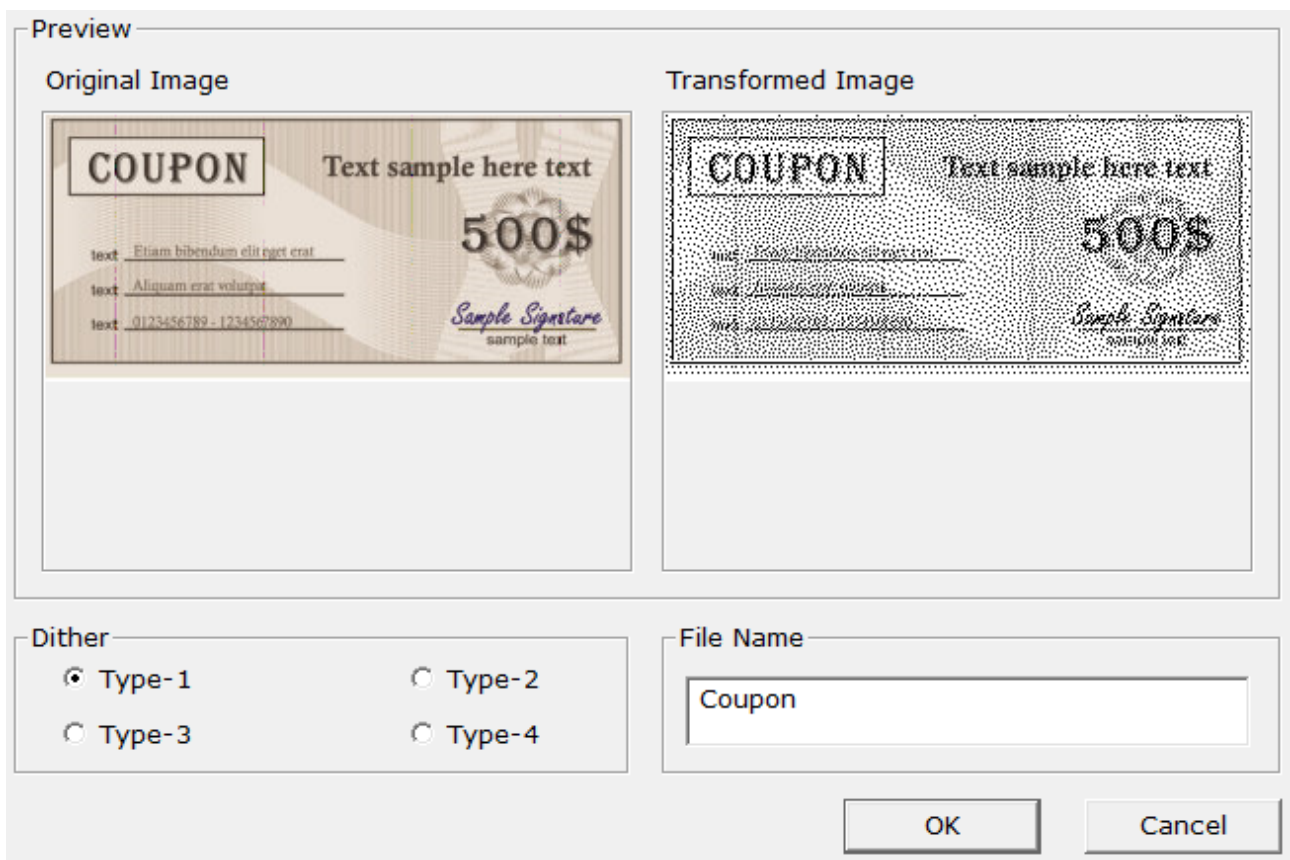




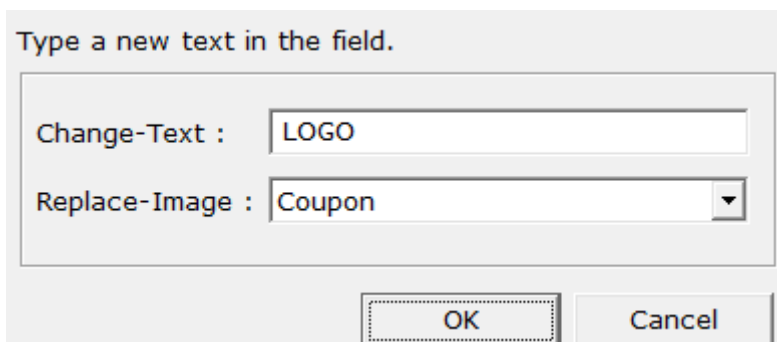
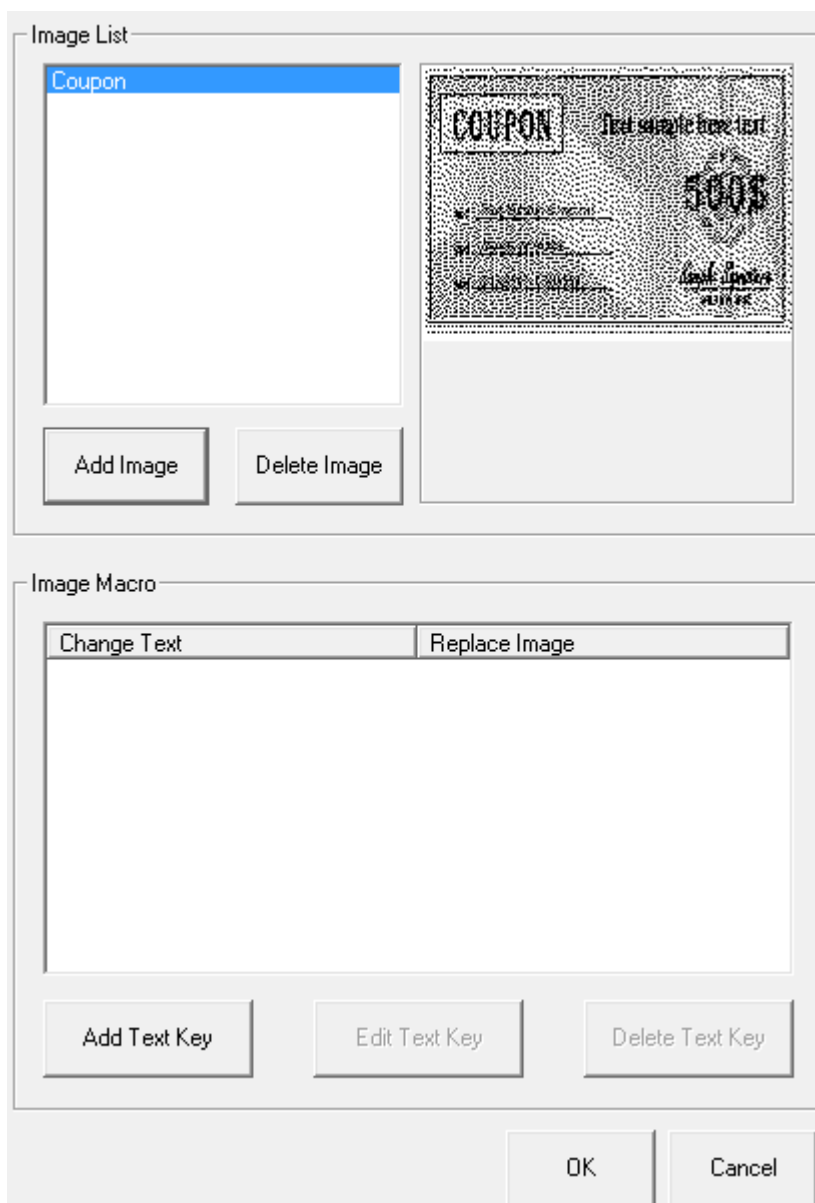
2) Click **Add Image**, select a bitmap file (\*.bmp), and click **Open**.



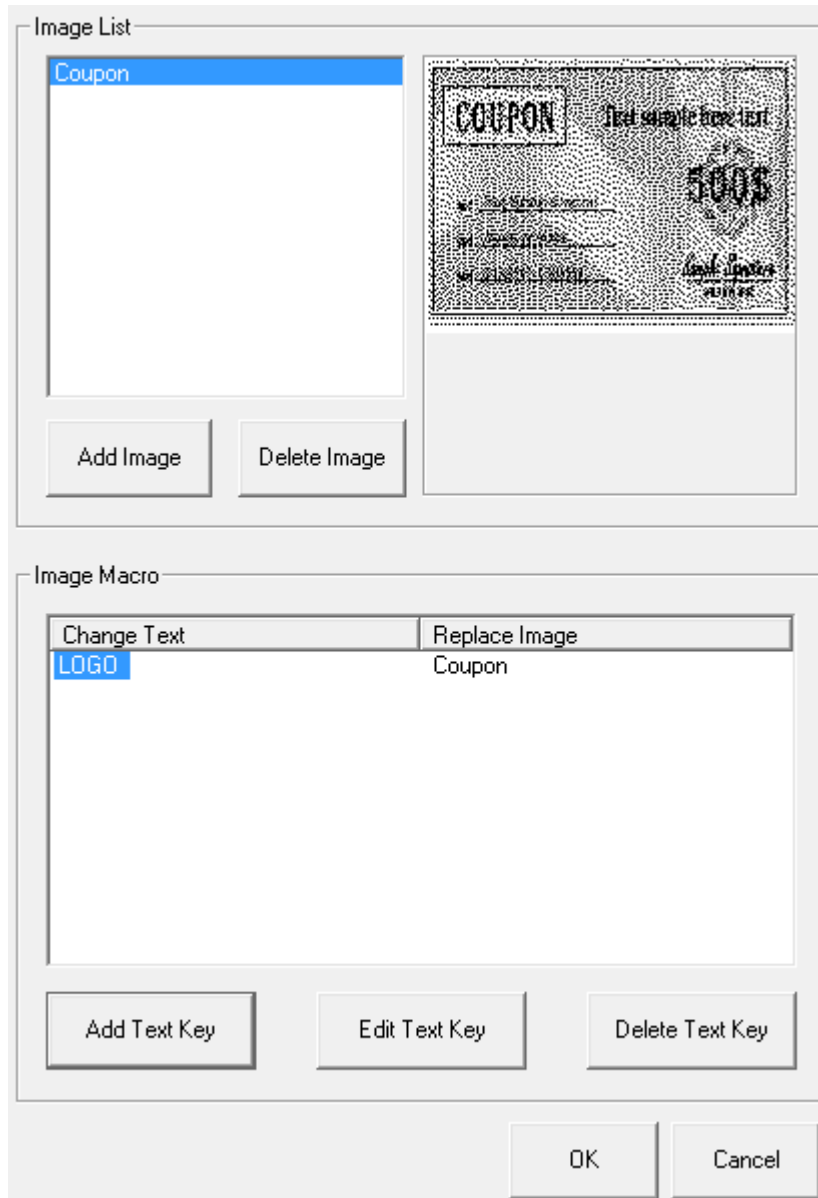
3) Enter the name to be added to the list, select a dithering type, and click **OK**.



- 4) Click **Add Text Key** and set the image to replace the text key. Enter the text in **Change-Text** and select the image to replace the corresponding text in **Replace-Image**.



5) Click **OK**.



## 6. Windows Driver Specifications

### 6-1 Font

This Windows driver supports various fonts in the following table. Printing using these fonts is faster than using Windows fonts provided by the operating system.

Printer Font (Device Fonts) Name			Font Size (dot)	Font Size (point)
FontA1x1	FontA1x1[Ext.]	FontA1x1[255]	FontA1x1(12x24)	9.5
FontA1x2	FontA1x2[Ext.]	FontA1x2[255]	FontA1x2(12x48)	19
FontA2x1	FontA2x1[Ext.]	FontA2x1[255]	FontA2x1(24x24)	9.5
FontA2x2	FontA2x2[Ext.]	FontA2x2[255]	FontA2x2(24x48)	19
FontA2x4	FontA2x4[Ext.]	FontA2x4[255]	FontA2x4(24x96)	38.5
FontA4x2	FontA4x2[Ext.]	FontA4x2[255]	FontA4x2(48x48)	19
FontA4x4	FontA4x4[Ext.]	FontA4x4[255]	FontA4x4(48x96)	38.5
FontA4x8	FontA4x8[Ext.]	FontA4x8[255]	FontA4x8(48x192)	77
FontA8x4	FontA8x4[Ext.]	FontA8x4[255]	FontA8x4(96x96)	38.5
FontA8x8	FontA8x8[Ext.]	FontA8x8[255]	FontA8x8(96x192)	77
FontB1x1	FontB1x1[Ext.]	FontB1x1[255]	FontB1x1(9x17)	7
FontB1x2	FontB1x2[Ext.]	FontB1x2[255]	FontB1x2(9x34)	13.5
FontB2x1	FontB2x1[Ext.]	FontB2x1[255]	FontB2x1(18x17)	7
FontB2x2	FontB2x2[Ext.]	FontB2x2[255]	FontB2x2(18x34)	13.5
FontB2x4	FontB2x4[Ext.]	FontB2x4[255]	FontB2x4(18x68)	27
FontB4x2	FontB4x2[Ext.]	FontB4x2[255]	FontB4x2(36x34)	13.5
FontB4x4	FontB4x4[Ext.]	FontB4x4[255]	FontB4x4(36x68)	27
FontB4x8	FontB4x8[Ext.]	FontB4x8[255]	FontB4x8(36x136)	54.5
FontB8x4	FontB8x4[Ext.]	FontB8x4[255]	FontB8x4(72x68)	27
FontB8x8	FontB8x8[Ext.]	FontB8x8[255]	FontB8x8(72x136)	54.5
FontC1x1	FontC1x1[Ext.]	FontC1x1[255]	FontC1x1(9x24)	9.5
FontC1x2	FontC1x2[Ext.]	FontC1x2[255]	FontC1x2(9x48)	19
FontC2x1	FontC2x1[Ext.]	FontC2x1[255]	FontC2x1(18x24)	9.5
FontC2x2	FontC2x2[Ext.]	FontC2x2[255]	FontC2x2(18x48)	19
FontC2x4	FontC2x4[Ext.]	FontC2x4[255]	FontC2x4(18x96)	38.5
FontC4x2	FontC4x2[Ext.]	FontC4x2[255]	FontC4x2(36x48)	19
FontC4x4	FontC4x4[Ext.]	FontC4x4[255]	FontC4x4(36x96)	38.5
FontC4x8	FontC4x8[Ext.]	FontC4x8[255]	FontC4x8(36x192)	77
FontC8x4	FontC8x4[Ext.]	FontC8x4[255]	FontC8x4(72x96)	38.5
FontC8x8	FontC8x8[Ext.]	FontC8x8[255]	FontC8x8(72x192)	77

Printer Fonts are defined as follows.

1) FontA1x2

- ANSI Character code support (Code Page 1252)
- Character size (dot): 12 x 24 (double height)
- Sizes (point): 19

2) FontA1x2[Ext.]

- IBM expansion Character code support (Code Page 437)
- Character size (dot): 12 x 24 (double height)
- Sizes (point): 19

3) FontA1x2[255]

- Buyer exclusive code support (User Code page)
- Character size (dot): 12 x 24 (double height)
- Sizes (point): 19

## 6-2 Special functions

This Windows driver supports the special functions as shown in the following table. Select **FontControl** font first and use the characters in the table to use the special functions. Take care as this function is not for printing general texts.

Character	Special Function
5	Prints HT (0 x 09)
6	Prints LF (0 x 0A)
7	Prints CR (0 x 0D)
a	Open Drawer 2 (50ms drive pulse width)
b	Open Drawer 2 (100ms drive pulse width)
c	Open Drawer 2 (150ms drive pulse width)
d	Open Drawer 2 (200ms drive pulse width)
e	Open Drawer 2 (250ms drive pulse width)
f	Open Drawer 2 without paper feeding (50ms driver pulse width)
g	Cut Receipt (partial cut) without paper feeding
i	Prints the NV Image saved in the 00 address (double-size)
j	Prints the NV Image saved in the 01 address (double-size)
k	Prints the NV Image saved in the 02 address (double-size)
l	Prints the NV Image saved in the 03 address (double-size)
m	Prints the NV Image saved in the 04 address (double-size)
p	Does not add HRI characters to the barcode
q	Adds HRI characters in Font A above the barcode
r	Adds HRI characters in Font A below the barcode
s	Adds HRI characters in Font B above the barcode
t	Adds HRI characters in Font B below the barcode
u	Turns white/black reverse printing mode on
v	Turns white/black reverse printing mode off
w	Aligns text to the left
x	Aligns text to the center
y	Aligns text to the right
A	Open Drawer 1 (50ms drive pulse width)
B	Open Drawer 1 (100ms drive pulse width)
C	Open Drawer 1 (150ms drive pulse width)
D	Open Drawer 1 (200ms drive pulse width)
E	Open Drawer 1 (250ms drive pulse width)
F	Open Drawer 1 without paper feeding (50ms driver pulse width)
G	Prints the NV bitmap saved in the 00 address
H	Prints the NV bitmap saved in the 01 address
I	Prints the NV bitmap saved in the 02 address
J	Prints the NV bitmap saved in the 03 address
K	Prints the NV bitmap saved in the 04 address
P	Cut Receipt (partial cut)
R	Prints the NV Image saved in the 00 address
S	Prints the NV Image saved in the 01 address
T	Prints the NV Image saved in the 02 address
U	Prints the NV Image saved in the 03 address
V	Prints the NV Image saved in the 04 address
[	Prints the NV bitmap saved in the 00 address (double-size)
]	Prints the NV bitmap saved in the 01 address (double-size)
^	Prints the NV bitmap saved in the 02 address (double-size)
_	Prints the NV bitmap saved in the 03 address (double-size)
`	Prints the NV bitmap saved in the 04 address (double-size)

## 1) Example

Select **FontControl** font and send 6 for “LF” (Line Feed) operation (instead of printing character “6”).

2) **FontControl** font functions.

Font Name	Special Functions	Font Size (point/dot)
FontControl	Open Drawer 1/2 Cut receipt Cut receipt(without paper feeding) Justification (Left/Center/Right) Output HT, Output LF, Output CR Barcode Printing Print NV Graphic Data	(9.5 / 12x24)

## **7. Use of Windows Driver**

### **7-1 Use of Visual Basic**

This section contains example codes to control the printer using Windows driver with Visual Basic. Sample codes contained in the CD.

#### **7-1-1 Windows Driver Selection**

The following example code explains how to select “BIXOLON SRP-350IIIOBE” Windows driver.

```
For Each prnPrinter In Printers
    If prnPrinter.DeviceName = “BIXOLON SRP-350IIIOBE” Then
        Set Printer = prnPrinter
        Exit For
    End If
Next
```

#### **7-1-2 Text Printing**

The following example code explains how to print texts using Windows Fonts and Device Fonts.

```
‘Print in Windows font
Printer.FontSize = 9
Printer.FontName = “Arial”
Printer.Print “Arial Test”

‘Print in printer font
Printer.FontSize = 9.5
Printer.FontName = “FontA1x1”
Printer.Print “FontA1x1 Font”

Printer.EndDoc
```



### 7-1-3 Barcode Printing

The following example code explains how to print the barcode (JAN8 (EAN)).

```
'Print Bar Code.  
Printer.FontSize = 20  
  
Printer.FontName = "Barcode4"  
Printer.Print "1234567"  
  
Printer.EndDoc
```

The following example code explains how to print the 2D barcode (PDF417).

```
'Print Two-dimensional Codes.  
Printer.FontSize = 9.5  
  
Printer.FontName = "2D-Code1"  
Printer.Print "Print Test PDF417"  
  
Printer.EndDoc
```

## 7-2 Use of WordPad

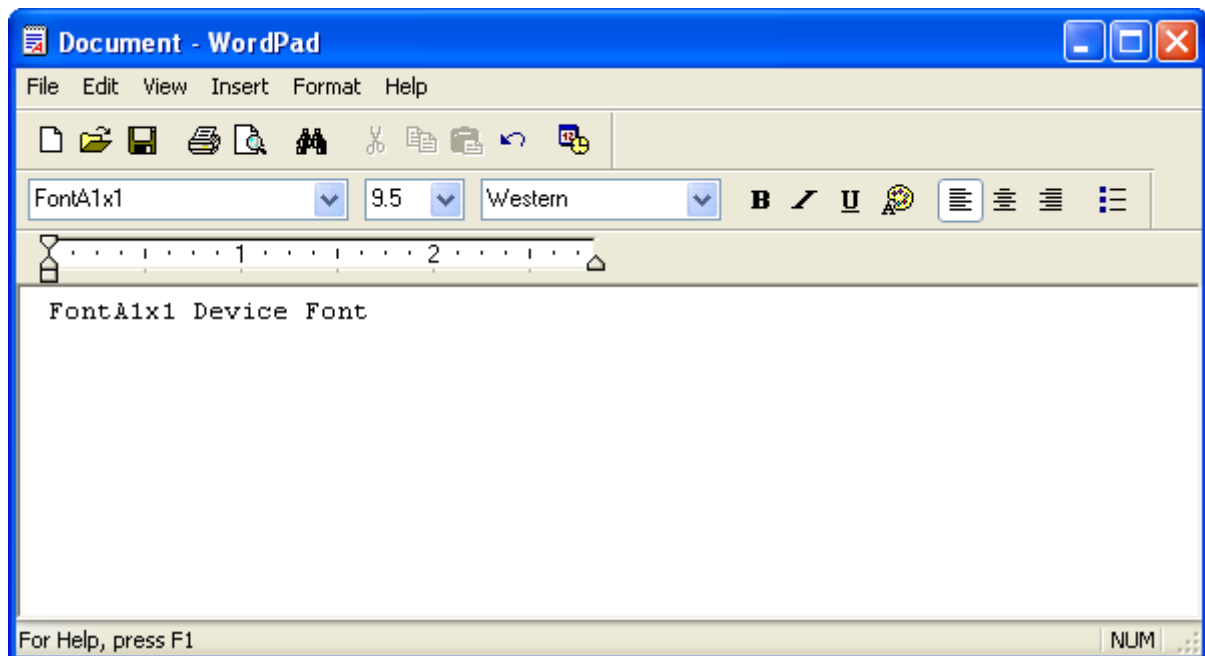
### 7-2-1 WordPad Environment Settings

Launch WordPad, set the printing related options as follows, and test the printer with WordPad.

- Select printer  
Select "Print" from the "File" menu, and select the printer (BIXOLON SRP-350IIIBE).
- Set paper size, orientation, margin, etc.  
Select the "Page Setting" from "File" menu, and set paper size, orientation, and margin.

### 7-2-2 Text Printing

Print the text from WordPad using the Windows driver of the printer.



- 1) Select the font from the font selection box (FontA1x1).
- 2) Select the point size from the point selection box (9.5).
- 3) Enter the text to print.
- 4) Click the Print icon in the toolbar to print the text.