

# **Windows Driver User's Manual**

## **SRP-270 Impact Receipt Printer**

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# 1. Foreword

This manual explains how to install and use Windows printer drivers for SAMSUNG SRP-270 printers. These drivers make it possible for Windows applications to print to SAMSUNG SRP-270 printers. Please read this manual carefully so that you can take full advantage of the driver's capabilities.

# 2. Operating Environment

The SAMSUNG SRP-270 printer drivers can run on any of the following operating systems.

- Microsoft Windows 95
- Microsoft Windows 98
- Microsoft Windows ME
- Microsoft Windows NT 4.0
- Microsoft Windows 2000
- Microsoft Windows XP
- Microsoft Windows 2003 Server

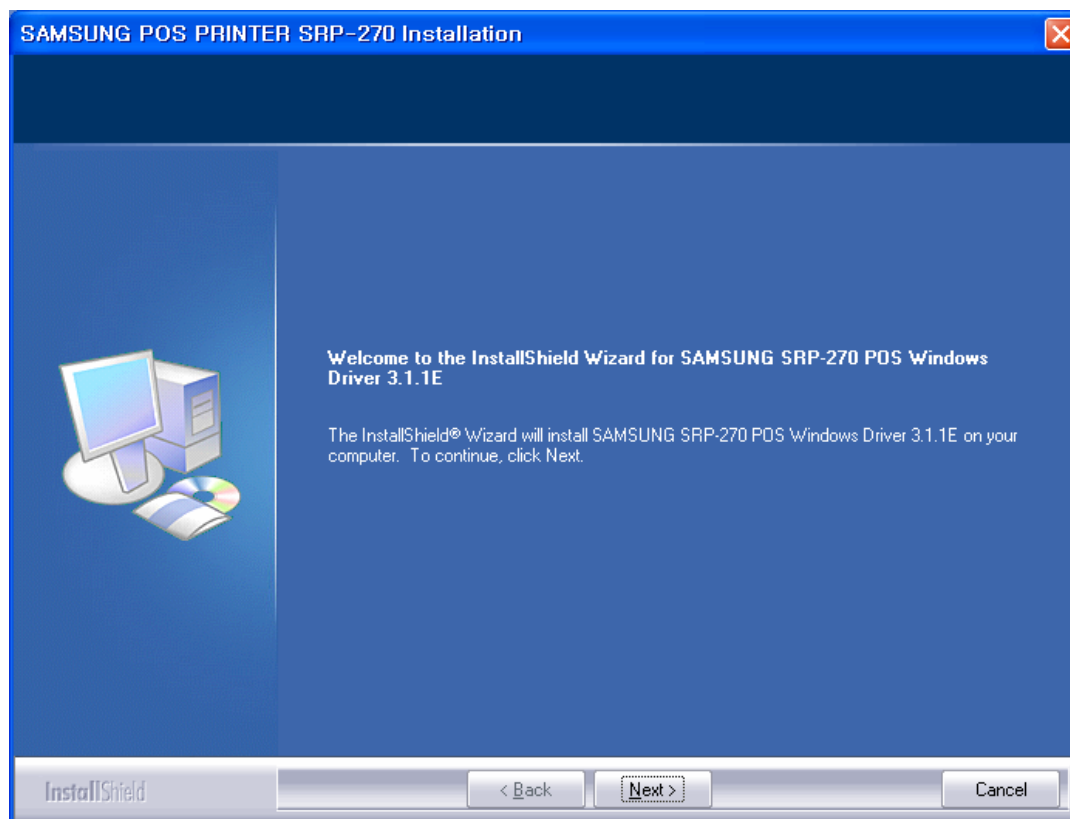
## 3. Installing the Driver

### 3.1 Download windows driver from website

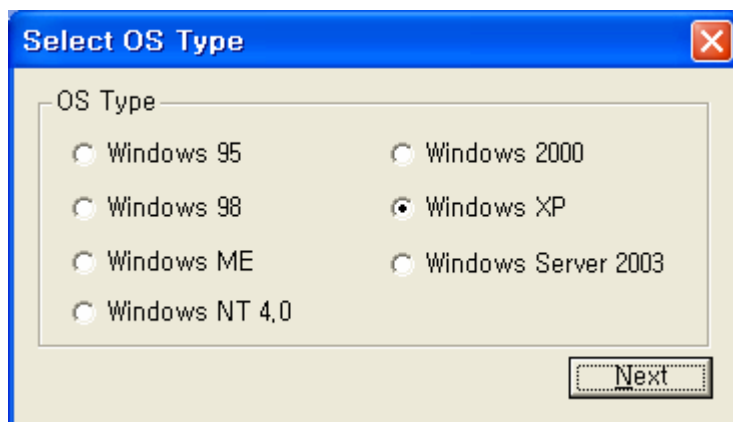
- (1) Connect our website(<http://www.bixolon.com>)
- (2) Select language
- (3) Click “Download” tab of “Support & Service”
- (4) Download “Windows Driver” of SRP-270 section.

### 3.2 Install windows driver with autoinstaller

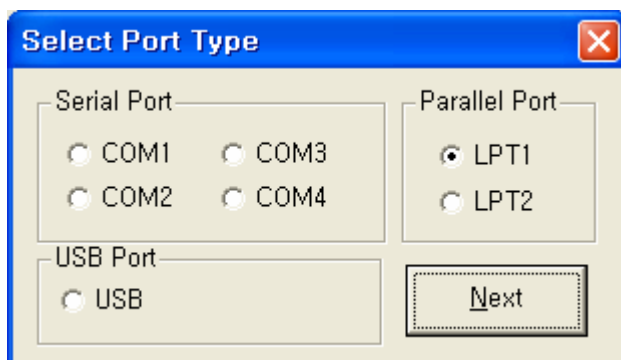
- (1) Double click “SRP-270\_V3.1.1E.exe” file.
- (2) Installer program extract files to current folder and installation start.
- (3) Click “Next” button.



- (4) Select OS Type and click “Next” button.



- (5) Select port type and click “Next” button.



- (6) When installation finished, you must reboot your system.

### 3.3 Printer Settings

This section is explained the way of following Printer Settings.

- Printer Resolution
- Paper Size
- Orientation

In Windows 95/98/ME, this can be set in the printer’s “Properties” dialog.

In Windows NT4.0, it can be set in the printer’s “Document Default” dialog.

In Windows 2000/XP, it can be set in the printer’s “Printing Preferences” dialog.

## 4. Main Specifications

### 4.1 Printer Fonts

These drivers support use of printer fonts as well as Windows fonts. Use of printer fonts permits faster printing. Available printer fonts are listed below.

“Built-in fonts of a printer” can be specified with the application programs. The “built-in fonts” are as follows.

- Printer Font ( type A, Small )
- Printer Font ( type B, Small )

The font names what the user can choose in to the application are as follows.

2 types of character-height can be chosen in each font.

Six kinds of the FontAXxX, the FontAXxX [Ext.], the FontAXxX[255], FontBXxX, the FontBXxX [Ext.], the FontBXxX[255]. The character code of 128 bytes of 80H - FFH varies in the difference in these printer fonts. **FontAXxX font, FontBXxX font support an Multilingual character code(Code Page 02 : 850) with mapping WPC1252 for Euro(€) . and, FonAXxX [Ext.] font, FontBXxX[Ext.] support International character code(Code Page 0 : 437). And FonAXxX [255] font, FontBXxX[255] support specified character code(Code Page 255) for additional font in firmware.**

Printer Fonts			Character size(dot)	Sizes (point)
FontA1x1	FontA1x1[Ext.]	FontA1x1[255]	FontA1x1(9x9)	9
FontA1x2	FontA1x2[Ext.]	FontA1x2[255]	FontA1x2(9x18)	18
FontA2x1	FontA2x1[Ext.]	FontA2x1[255]	FontA2x1(18x9)	9
FontA2x2	FontA2x2[Ext.]	FontA2x2[255]	FontA2x2(18x18)	18
FontB1x1	FontB1x1[Ext.]	FontB1x1[255]	FontB1x1(7x9)	9
FontB1x2	FontB1x2[Ext.]	FontB1x2[255]	FontB1x2(7x18)	18
FontB2x1	FontB2x1[Ext.]	FontB2x1[255]	FontB2x1(14x9)	9
FontB2x2	FontB2x2[Ext.]	FontB2x2[255]	FontB2x2(14x18)	18

Printer font for special function	Function	Size(pont/dot)
FontControl	<ul style="list-style-type: none"> <li>- Open Drawer 1/2</li> <li>- Cut receipt</li> <li>- Cut receipt(without paper feeding)</li> <li>- Justification(Left/Center/Right)</li> <li>- Output HT,Output LF, Output CR</li> </ul>	( 9 / 9x9 )

## 4.2 Special Functions

The SRP-270 Printer can be used to execute a variety of special non-printing functions, as indicated in the table below.

You can execute these functions by selecting the printer's special "FontControl" font and then sending the appropriate character code to the driver. ( Note that you cannot use the "FontControl" font to print normal characters. )

Character	Special Function	Note
<b>5</b>	HT is output	
<b>6</b>	LF is output	
<b>7</b>	CR is output	
<b>a</b>	Open Drawer 2 (50ms drive pulse width)	
<b>b</b>	Open Drawer 2 (100ms drive pulse width)	
<b>c</b>	Open Drawer 2 (150ms drive pulse width)	
<b>d</b>	Open Drawer 2 (200ms drive pulse width)	
<b>e</b>	Open Drawer 2 (250ms drive pulse width)	
<b>g</b>	Cut Receipt (partial cut) without paper feeding	
<b>w</b>	Text is aligned left	
<b>x</b>	Text is centered	
<b>y</b>	Text is aligned right	
<b>A</b>	Open Drawer 1 (50ms drive pulse width)	
<b>B</b>	Open Drawer 1 (100ms drive pulse width)	
<b>C</b>	Open Drawer 1 (150ms drive pulse width)	
<b>D</b>	Open Drawer 1 (200ms drive pulse width)	
<b>E</b>	Open Drawer 1 (250ms drive pulse width)	
<b>P</b>	Cut Receipt (partial cut)	

## 4.3 Resolutions

The resolution settings supported by SRP-270 printer are as follows

- 160 × 72
- 160 × 144
- 80 × 72

## 4.4 Paper Sizes

The paper sizes supported by SRP-270 printer are as follows.

- Receipt length 76 × 3276 mm
- A4 length 76 × 297 mm
- Custom Size (Windows 9x support)

The following table shows the recommended margins for SRP-270 printer. Refer to this table when setting margins from your printing applications.

Printer	Margins				Printer Area
	Left[mm]	Right[mm]	Top[mm]	Bottom[mm]	Width[mm]
SRP-270	0	0	0	0	63.5



## 5. Controlling the Printer from VB

This section shows how you can control the SRP-270 Printer using Visual Basic (Version 6.0). Note that the SRP-270 Printer drivers include sample Visual Basic programs that provide additional examples.

### 5.1 Selecting the Printer Driver

The following code establishes the specified printer driver as your "default printer."

#### ◆ VISUAL BASIC

```
For Each prnPrinter In Printers
    If prnPrinter.DeviceName = "SAMSUNG SRP-270" Then
        Set Printer = prnPrinter
        Exit For
    End If
Next
```

### 5.2 Printing Text

The following code prints a text string using a Windows font, and then prints another text string using a printer font. Each string gives the name and size of the font being used.

#### ◆ VISUAL BASIC

```
'Print in Windows font
Printer.FontSize = 9
Printer.FontName = "Arial"
Printer.Print "Arial"

'Print in printer font
Printer.FontSize = 9
Printer.FontName = "FontA1x1"
Printer.Print "FontA1x1"
Printer.EndDoc
```

## 5.3 Opening the Cash Drawer

The next example shows how to open the desired cash drawer at the desired speed.

### ◆ VISUAL BASIC

```
'Set up the control font.  
Printer.FontSize = 9  
Printer.FontName = "FontControl"  
  
Printer.Print "A"  
'Use special-function character to open the cash drawer.  
'A: Open drawer 1 at 50ms  
'B: Open drawer 1 at 100ms  
'C: Open drawer 1 at 150ms  
'D: Open drawer 1 at 200ms  
'E: Open drawer 1 at 250ms  
'a: Open drawer 2 at 50ms  
'b: Open drawer 2 at 100ms  
'c: Open drawer 2 at 150ms  
'd: Open drawer 2 at 200ms  
'e: Open drawer 2 at 250ms  
Printer.EndDoc
```

## 5.4 Cutting the Paper

The following code causes the printer to cut the paper.

### ◆ VISUAL BASIC

```
'Set up the control font.  
Printer.FontSize = 9  
Printer.FontName = " FontControl"  
Printer.Print "P".  
'Use special-function character to cut the paper  
'P: Partial cut  
'g: Partial cut without paper feeding  
Printer.EndDoc
```

## 6. Using the SRP-270 Printer from WordPad

### 6.1 WordPad Environment

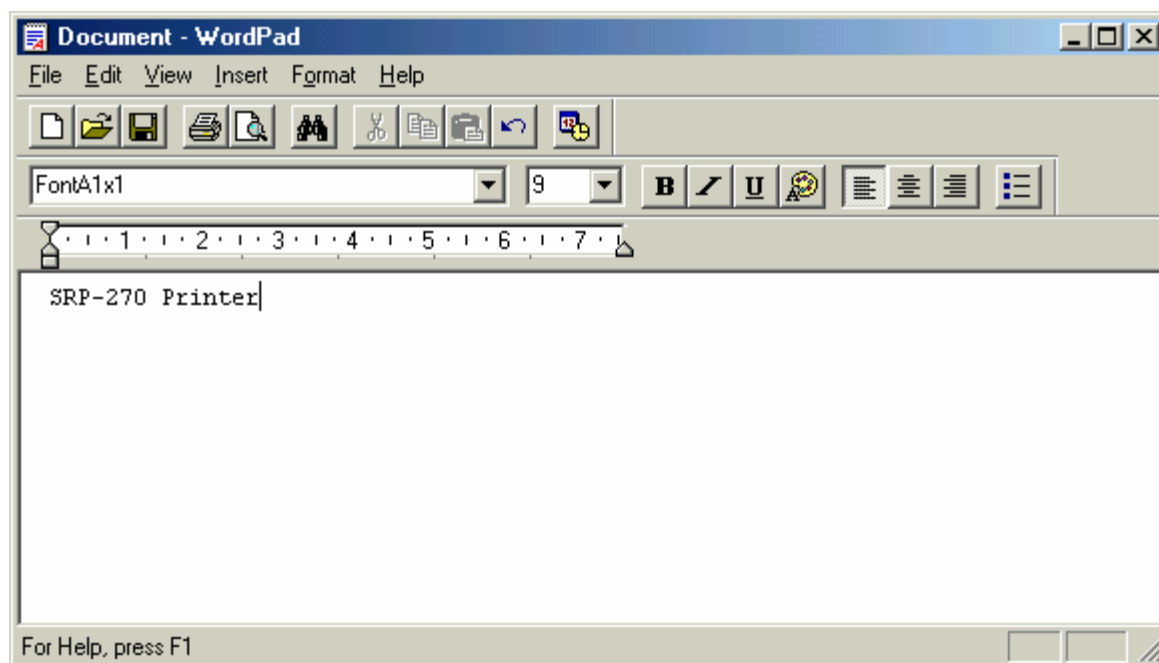
WordPad is more adequate to test printer than Microsoft Word. Make it sure that SRP-270 has been chosen as default printer and then go further with WordPad like below.

Start up WordPad, and enter appropriate settings for the follows.

- Size [\[ Refer to Section 4.5, "Paper Sizes" \]](#)
- Resolution [\[ Refer to Section 4.4, "Resolutions" \]](#)
- Margins [\[ Refer to Section 4.5, "Paper Sizes" \]](#)

### 6.2 Printing Text

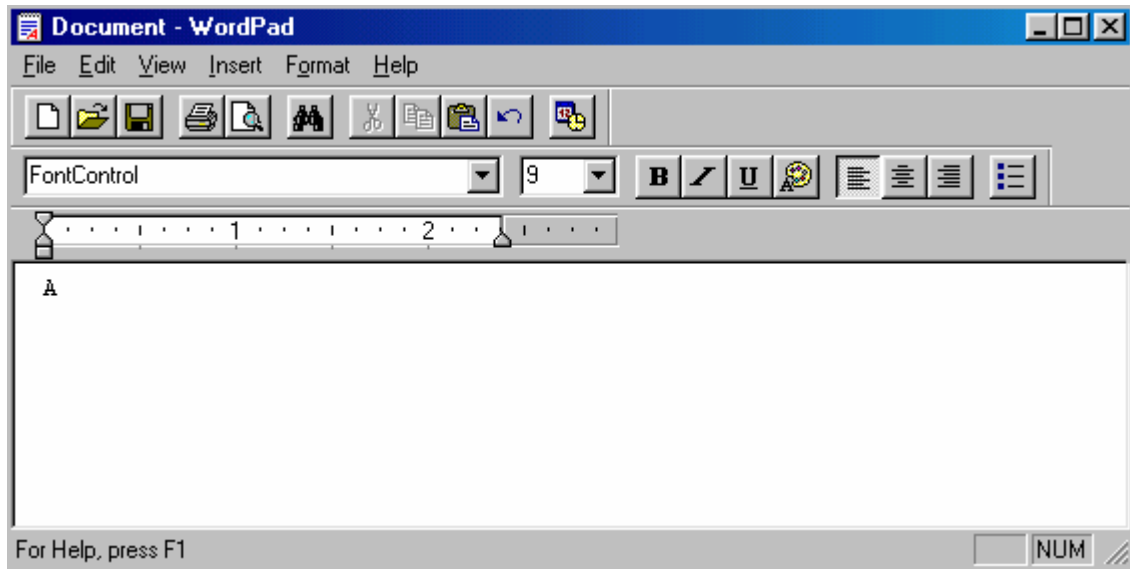
Use the following procedure to generate a printout from WordPad.



1. Select the font you wish to use from the font list.
2. Select the font size you wish use from the font-size list.
3. Type in some text into the WordPad text-input area.
4. Open the File menu, and click on Print.

For fastest printing, select a printer font form the font list.

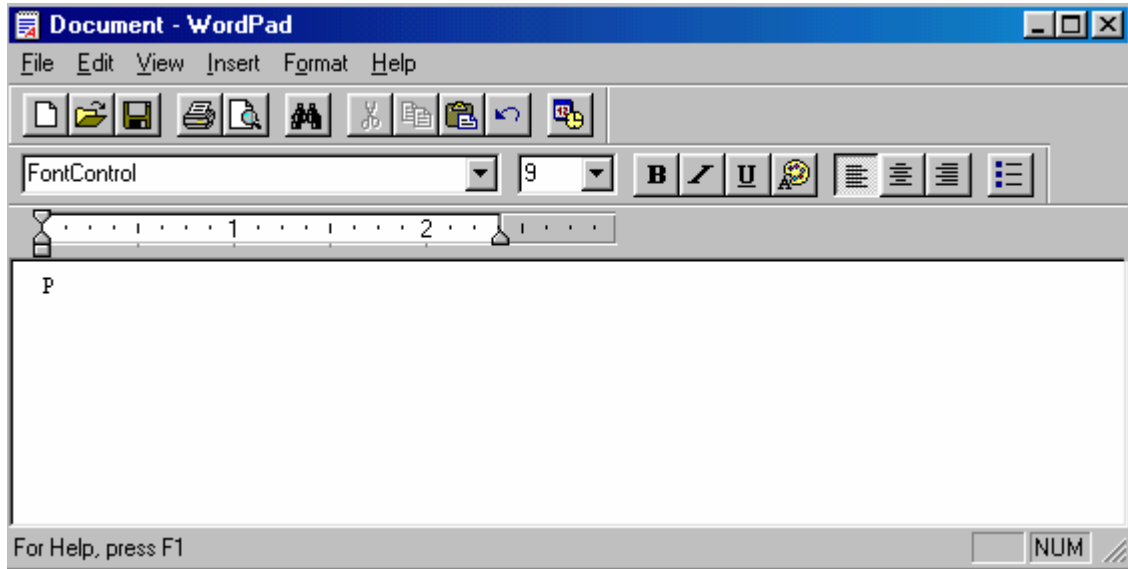
## 6.3 Opening the Cash Drawer



1. Select the "FontControl" font from the font list.
2. Set the font size to 9
3. Type an "A" into the WordPad text-input area.
4. Open the File menu, and click on Print.

Clicking on Print will cause cash drawer #1 to open at a drive speed of 50ms. By changing the character that you input at Step 3, you can select a different drive speed or open the other drawer. Refer to Section 4.2, "Special Functions," for a listing of characters and their functions.

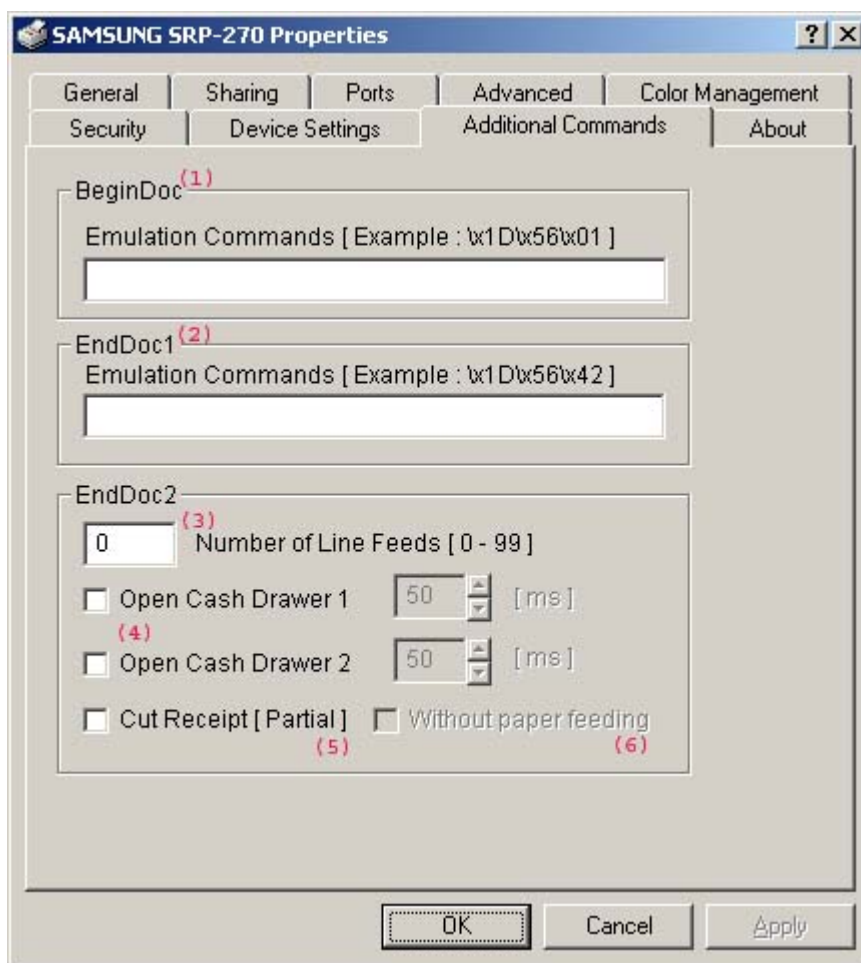
## 6.4 Cutting the Paper



1. Select the "FontControl" font from the font list.
2. Set the font size to 9
3. Type in an "P"
4. Open the File menu, and click on Print.

## 7. Using the SRP-270 Printer Properties

### 7.1 Additional Commands



**[1]** Logo Printing

Cut Receipt (partial cut) without paper feeding.

Type the command to cut.

ex) \x1D\x56\x01 = **Cut Receipt**

**[2]** Promotion printing

Cut Receipt (partial cut).

Type the command to cut.

ex) \x1D\x56\x42 = **Cut Receipt**

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[3] This is where you enter the number of line feeds that will be done after a document is printed.

[4] You can fire cash drawer 1 or 2.

[5] Whether to cut or not at the end of receipt.

[6] Cutting without paper feeding