Woosim Windows Printer Driver

User Manual

Version 1.1

March 2019

woos_m
systems

Contents

1. Overview

This document gives you the information of the installation, usage and detailed settings about each OS for Windows Printer Driver 2.1 Version which is provided by Woosim Systems Inc.

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1.1. Get Started

Woosim Systems Inc. provides Printer Drivers in order to print the contents written by Windows Application. This document is a User Manual for Driver 2.1 Version, if it is different with the existing Driver Version, the contents can't match with each other.

1.2. OS Platform Environment

Windows Printer Driver supports the following environment.

Microsoft® Windows XP(32bit/64bit)

Microsoft Windows Server 2003 (32bit/64bit)

Microsoft Windows VISTA (32bit/64bit)

Microsoft Windows Server 2008 (32bit/64bit)

Microsoft Windows 7 (32bit/64bit)

Microsoft Windows 8/8.1 (32bit/64bit)

Microsoft Windows Server 2012 (64bit)

Microsoft Windows 10 (32bit/64bit)

1.3. Windows Driver Preparation

The latest Windows Printer Driver can be downloaded in our homepage http://woosim.com

2. Windows Printer Driver Installation

Windows Printer Driver can be used in Windows Platform, in various Windows OS. This chapter explains the Installation of the driver for each OS.
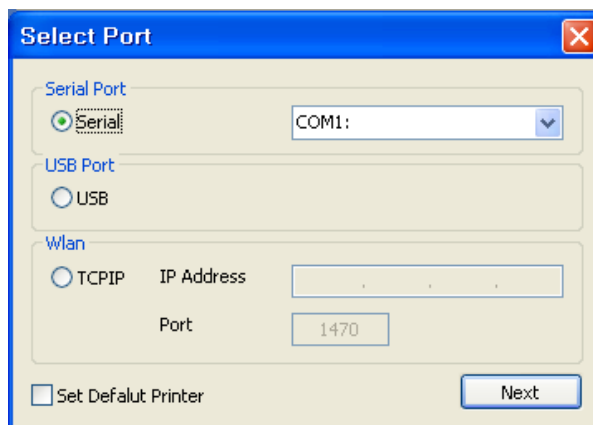
2.1. Windows XP / Server 2003

2.1.1. Via Serial or Bluetooth
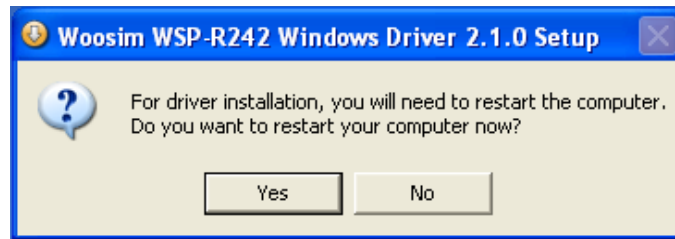
1). Execute the Windows Printer Driver Package.

2). Start the Installation by clicking the "**Instal**l" button
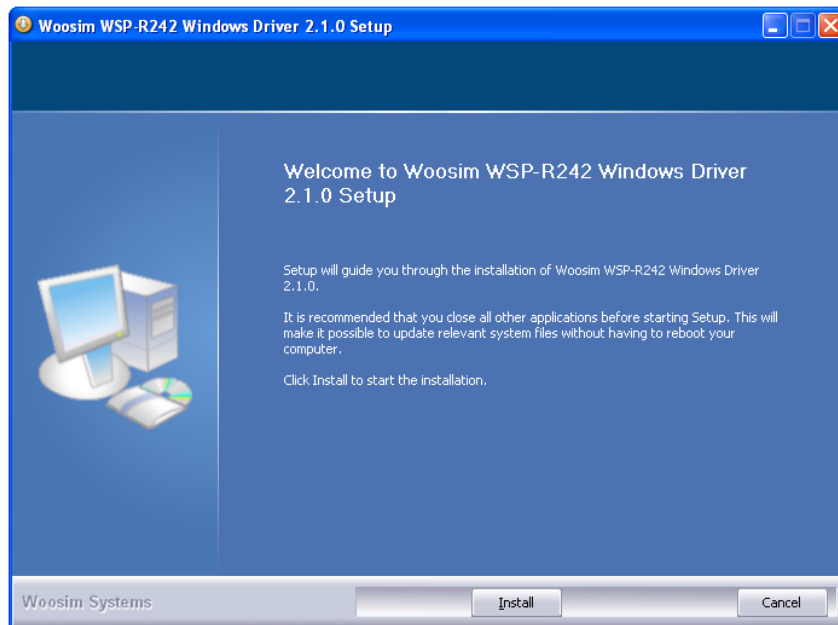
3). Set the COM Port and Click the "**Next**" button.
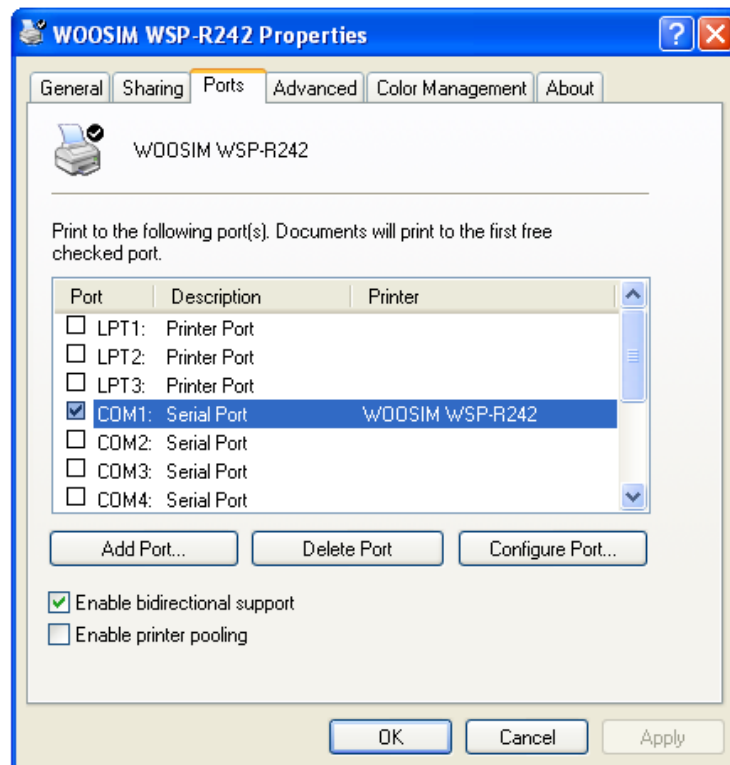
(By Bluetooth, Set the COM of paired Device)
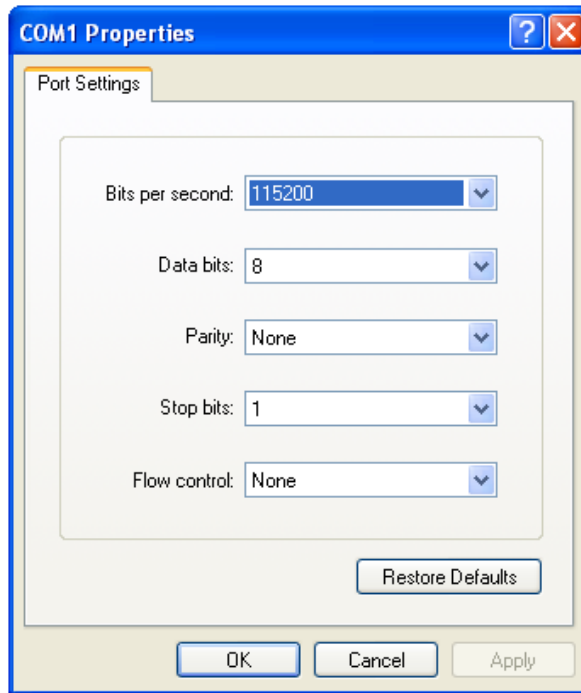
4). If you click "**Yes**", Windows restarts.

5). The installed Printer Driver can be checked in **Control Panel-> Printers and other Hardware -> Printer and Fax**

6). Open the Printer Properties, move to "**Port**" tap and Click "**Configure Port**".
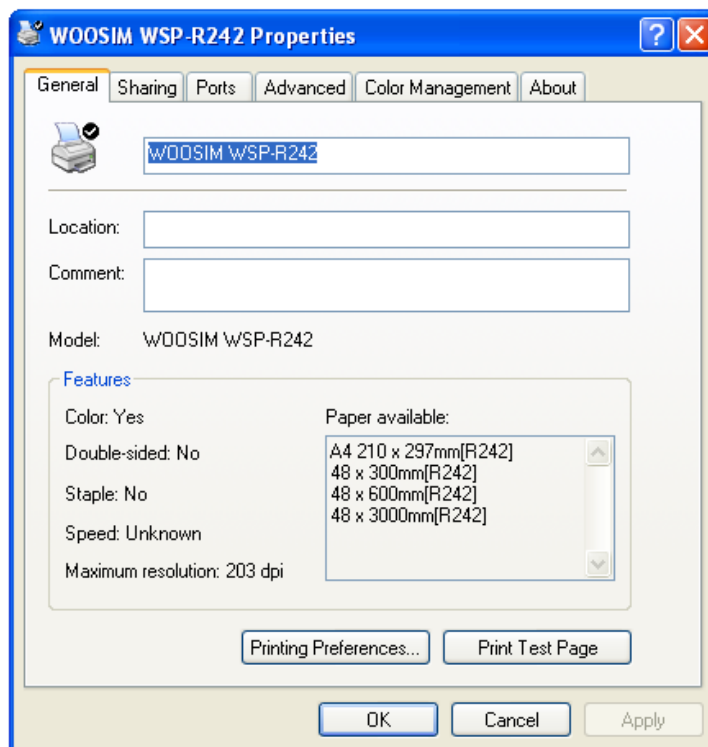(When using Bluetooth, skip this step)

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7). Set the Communication Setting same as the printer.

(The Communication Setting of the Printer can be checked through the Self-test.)

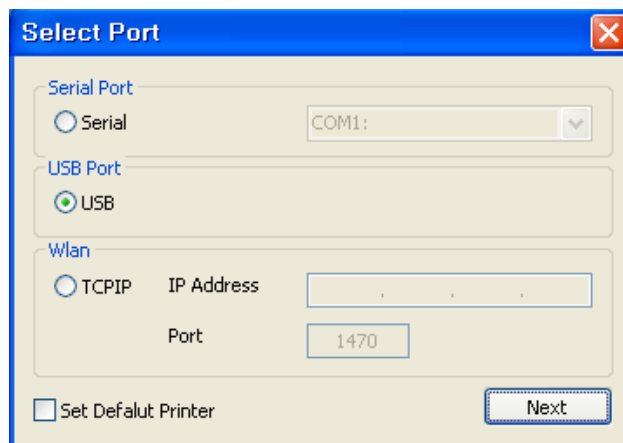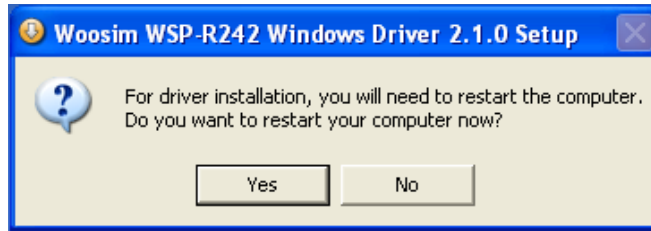8). Click **"Print Test Page"** to check whether it prints successfully.

2.1.2. Via USB

1). Connect the Printer to the PC.

2). Execute the Windows Printer Driver Package.

3). Click "Install" to proceed the installation.
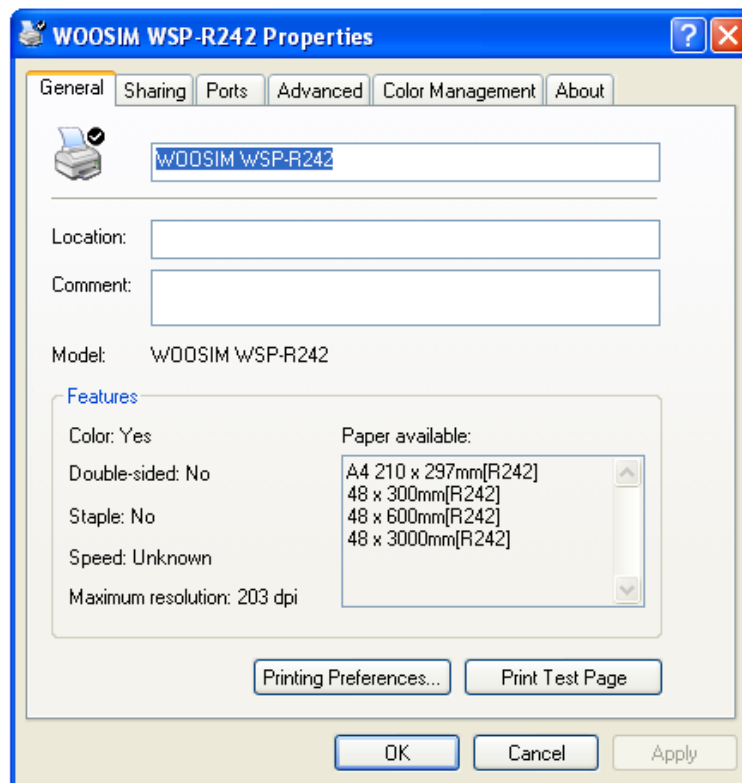

4). Set the USB Port and click "**Next**".

5). Windows restarts by clicking "**YES**".
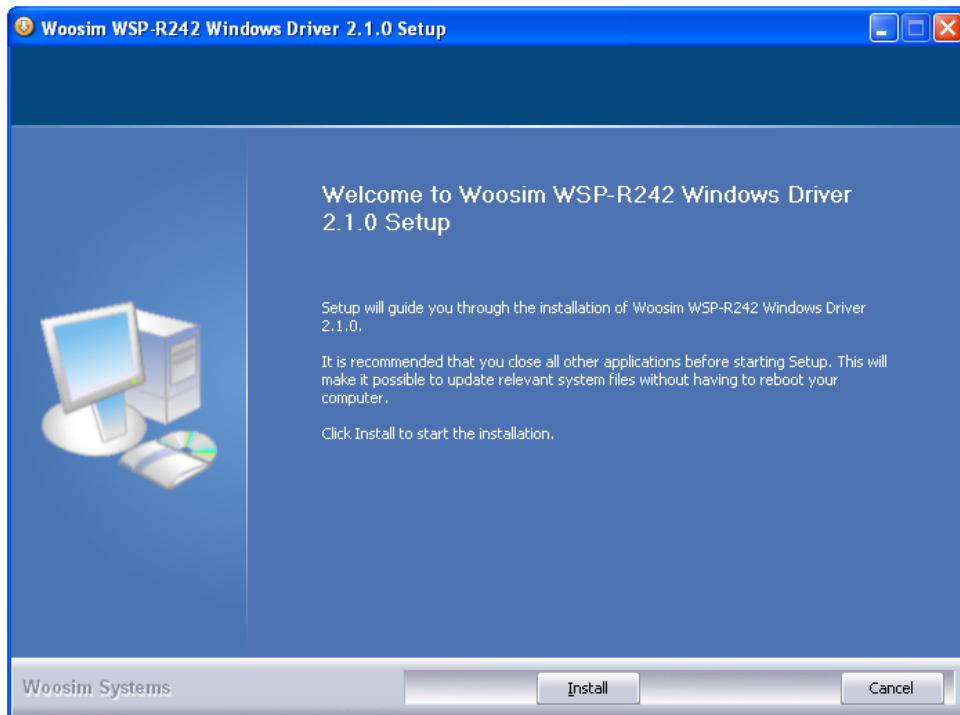

9). The installed Printer Driver can be checked in **Control Panel-> Printers and other Hardware -> Printer and Fax**

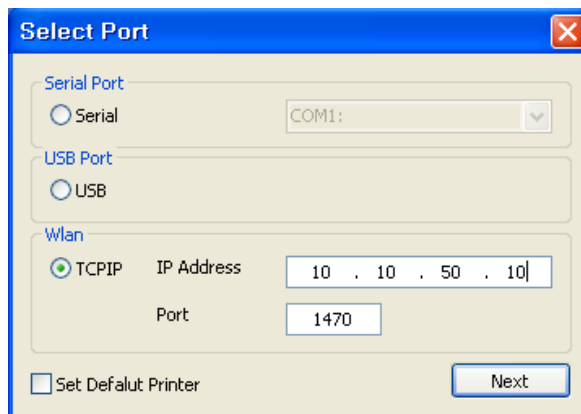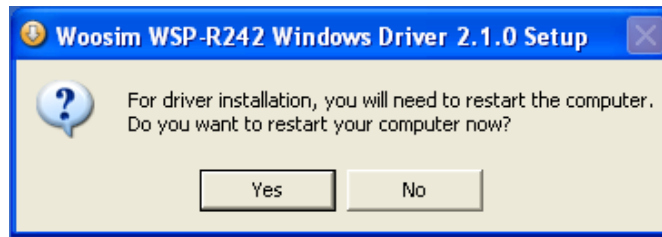6). Click **"Printer Test Page"** to check whether it prints successfully.

2.1.3. Via WLAN

1). Execute the Windows Printer Driver Package

2). Click "**Install**" to proceed the Installation

3). Set the Printer IP Address and the Port Number, and then click "**Next"**.

(The configured Default Port for previous model is 1470 and 9100 for the current model.)
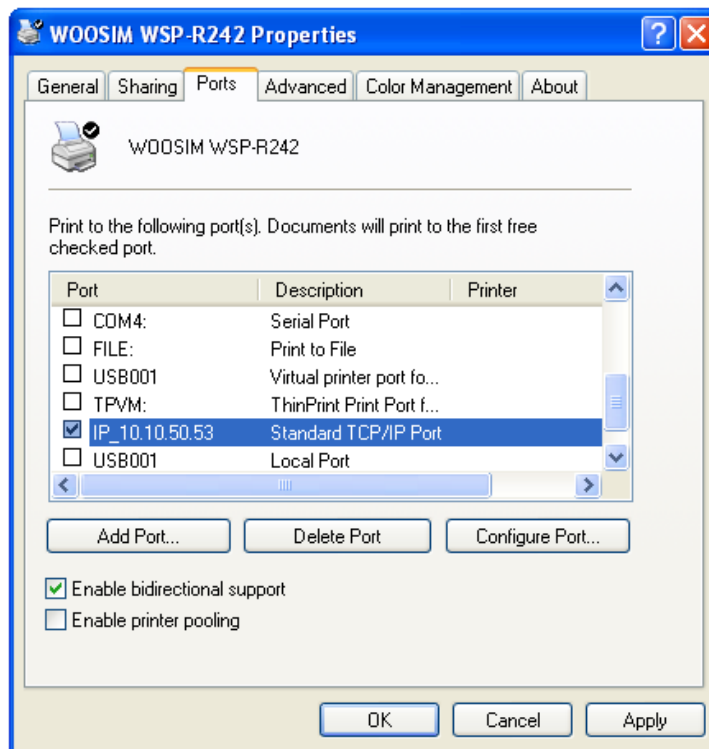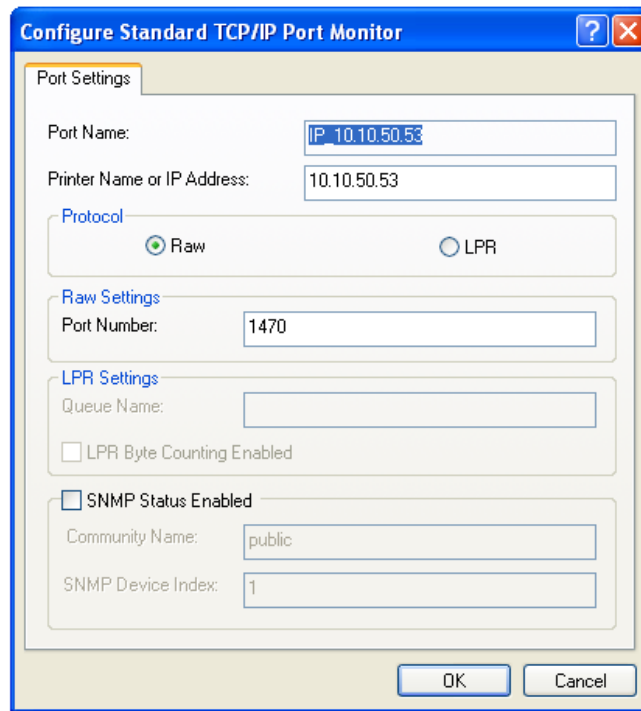
4). Windows restarts by clicking **"Yes"**

5). The installed Printer Driver can be checked in **Control Panel-> Printers and other Hardware -> Printer and Fax**.
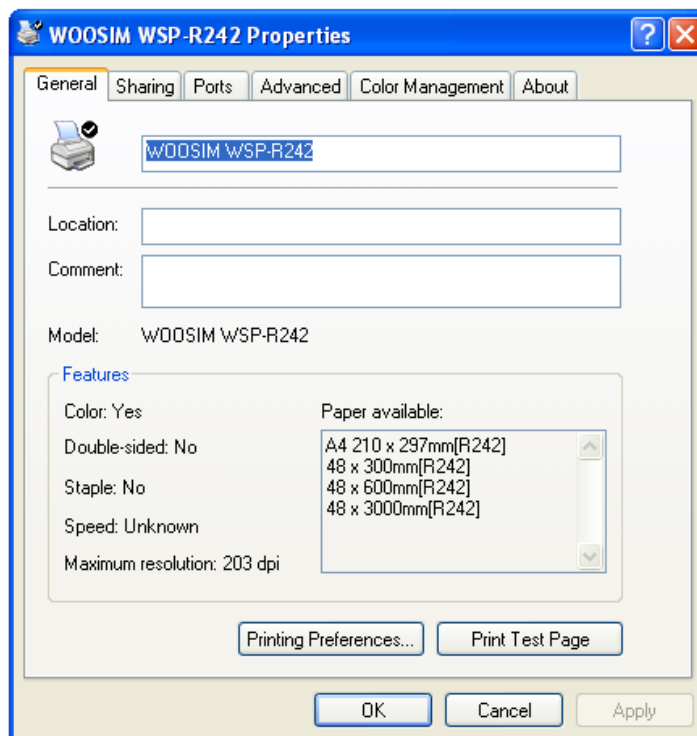
6). Open the Printer Properties, move to "**Port**" tap and Click "**Configure Port**"

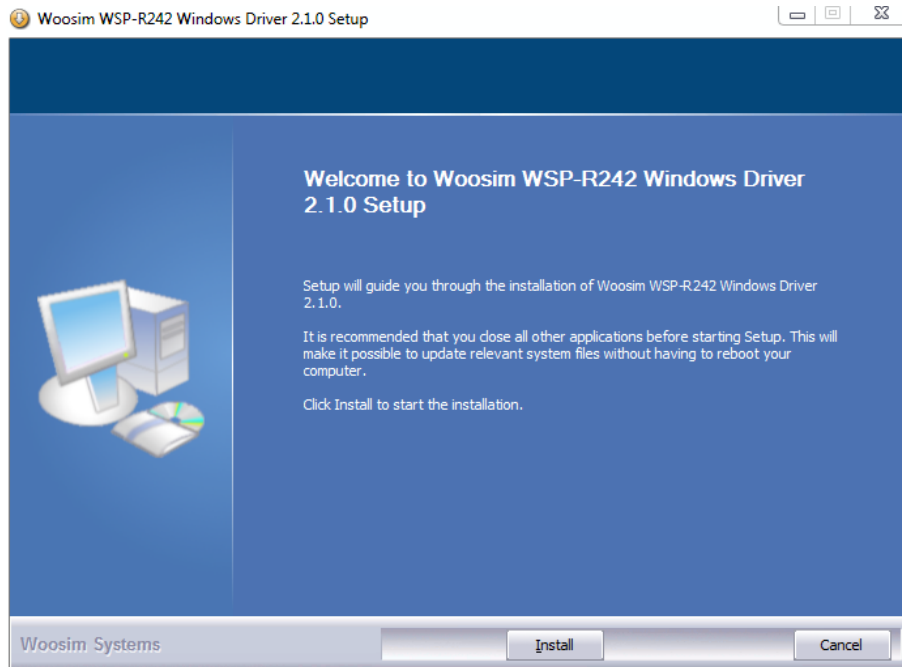7). Check whether the TCP/IP Port Setting matches the Printer WLAN Setting.

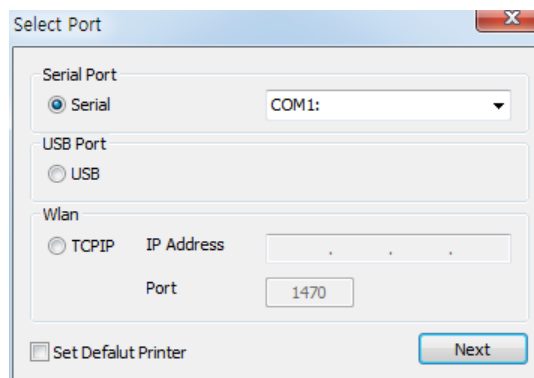8). Click **"Printer Test Page"** to check whether it prints successfully.

2.2. Windows VISTA / Windows 7 / Server 2008 R2

2.2.1. Via Serial or Bluetooth

1). Execute the Windows Printer Driver Package.

2). Click "**Install**" to proceed the Installation.

3). Set the COM Port and click "**Next**"

(By Bluetooth, Set the COM of paired Device)

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4). Windows restarts by clicking "**Yes**".

5). The installed Printer Driver can be checked in **Control Panel-> Hardware and Sound -> Device and Printer.**

10). Open the Printer Properties, move to "**Port**" tap and Click "**Configure Port**"

(When using Bluetooth, skip this step)

6). Set the Communication Setting same as the printer.

(The Communication Setting of the Printer can be checked through the Self-test.)

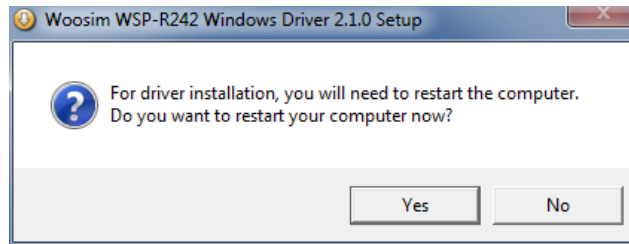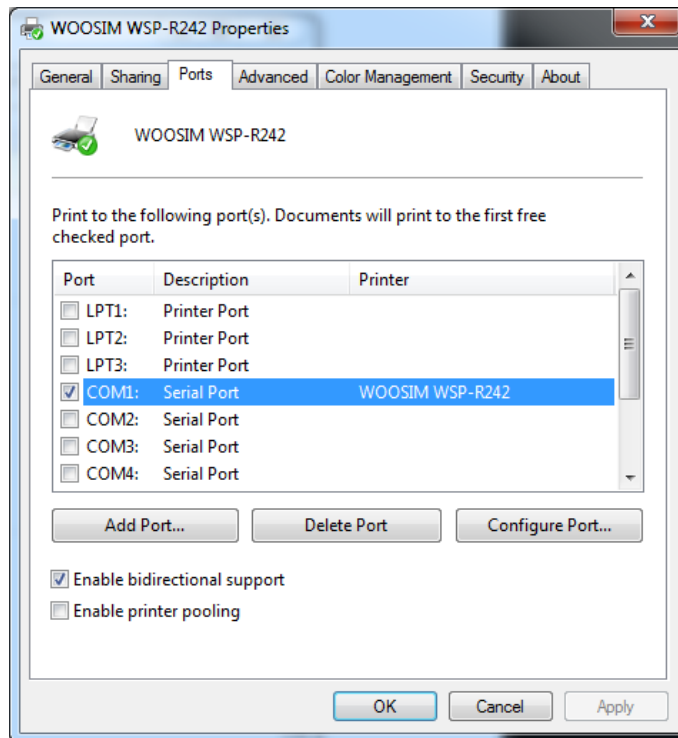7). Click **"Print Test Page"** to check whether it prints successfully.

2.2.2. Via USB

1). Execute the Windows Printer Driver Package

2). Click "**Install**" to proceed the installation.

3). Set the USB Port and click "**Next**"

4). Windows restarts by clicking "**Yes**"
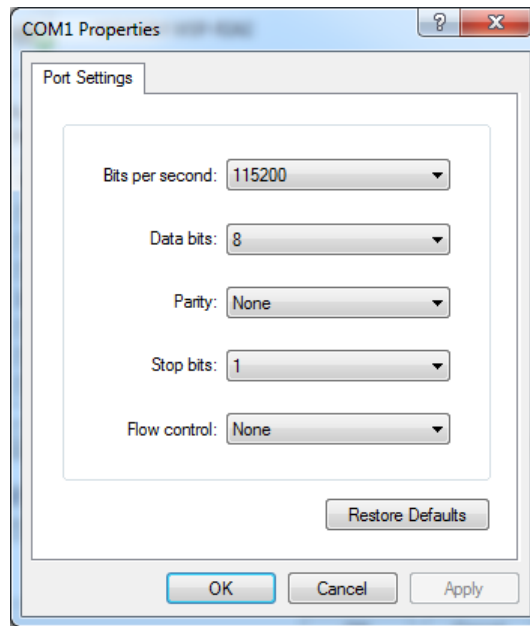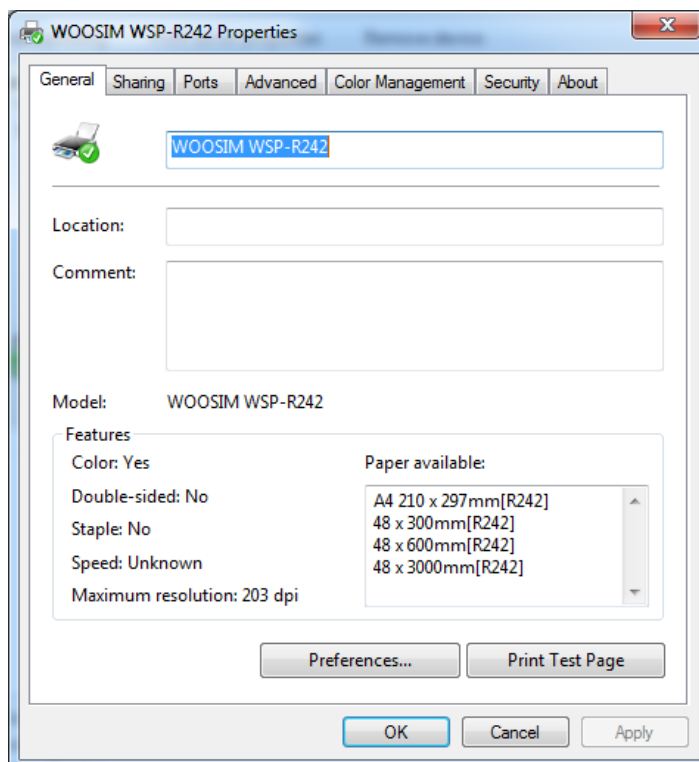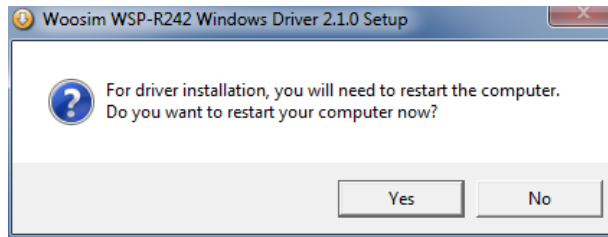

5). Driver will be installed by connecting the Printer.

8). The installed Printer Driver can be checked in **Control Panel**-> **Hardware and Sound** -> **Device and Printer.**

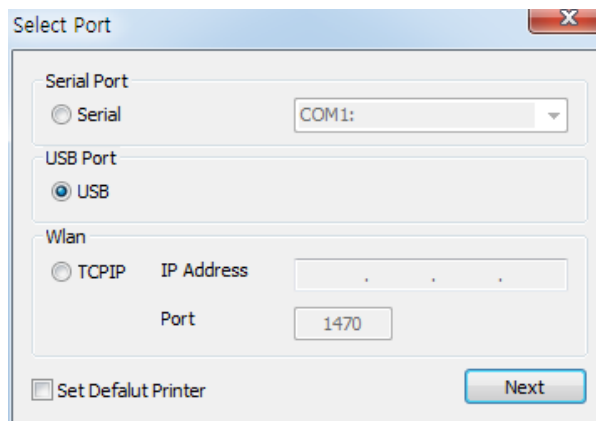6). Click **"Print Test Page"** to check whether it prints successfully.

2.2.3. Via WLAN

1). Execute the Windows Printer Driver Package.

2). Click "**Install**" to proceed the installation.

3). Set Printer IP Address and Port Number, and then click "**Next"**.

(The configured Default Port for previous model is 1470 and 9100 for the current model.)

4). Windows restarts by clicking "**Yes**".

5). The installed Printer Driver can be checked in **Control Panel-> Hardware and Sound -> Device and Printer.**

6). Open the Printer Properties, move to "**Port**" tap and Click "**Configure Port**"

7). Check whether the TCP/IP Port Setting matches the Printer WLAN Setting.

8). Click **"Print Test Page"** to check whether it prints successfully.

2.3. Windows 8 / Windows 8.1/ Windows 10

2.3.1. Via Serial or Bluetooth

1). Execute the Windows Printer Driver Package.

2). Click "**Install**" to proceed the installation.
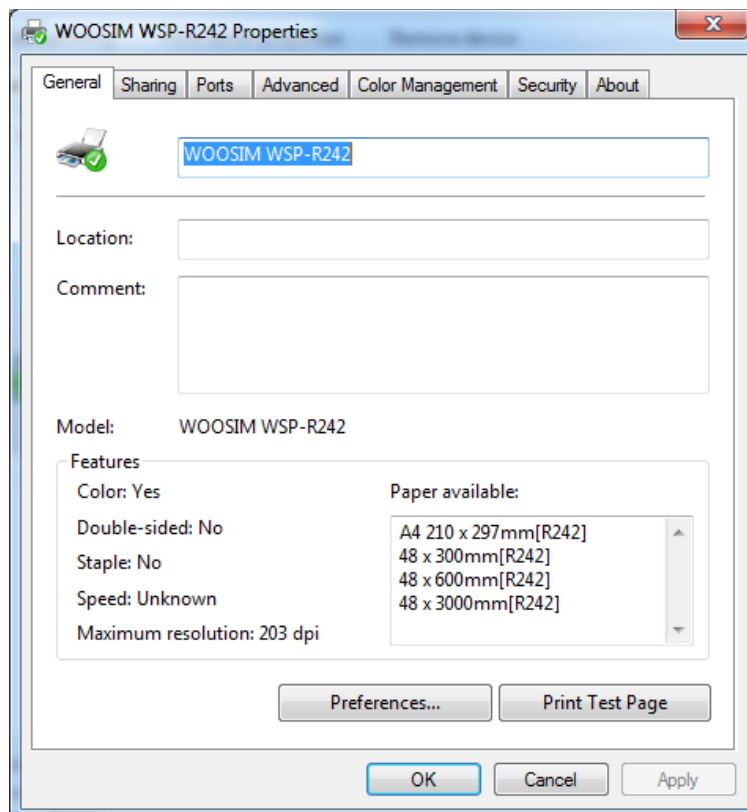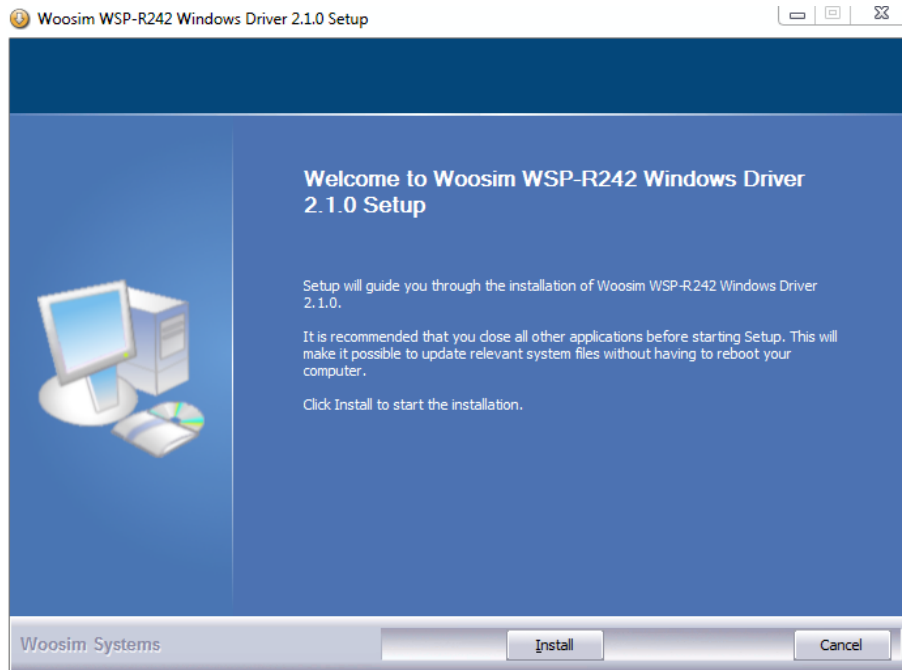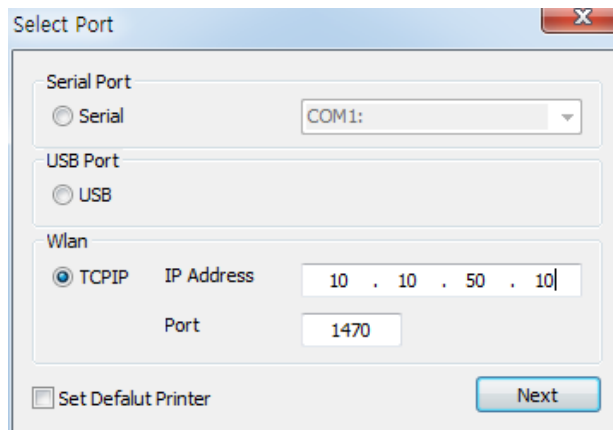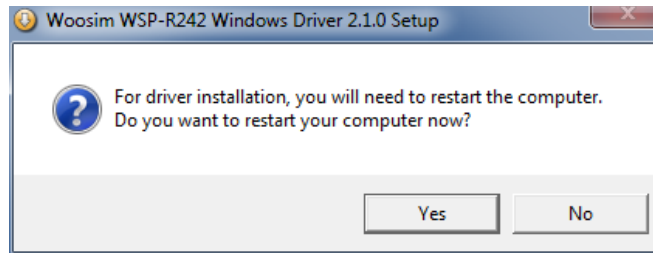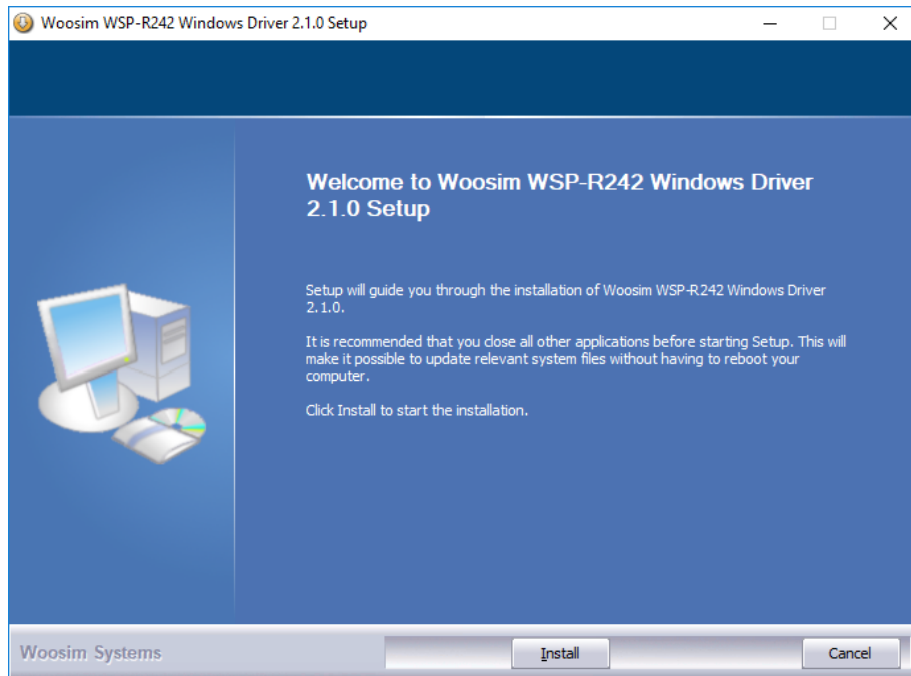

3). Set the COM Port and click "**Next**"

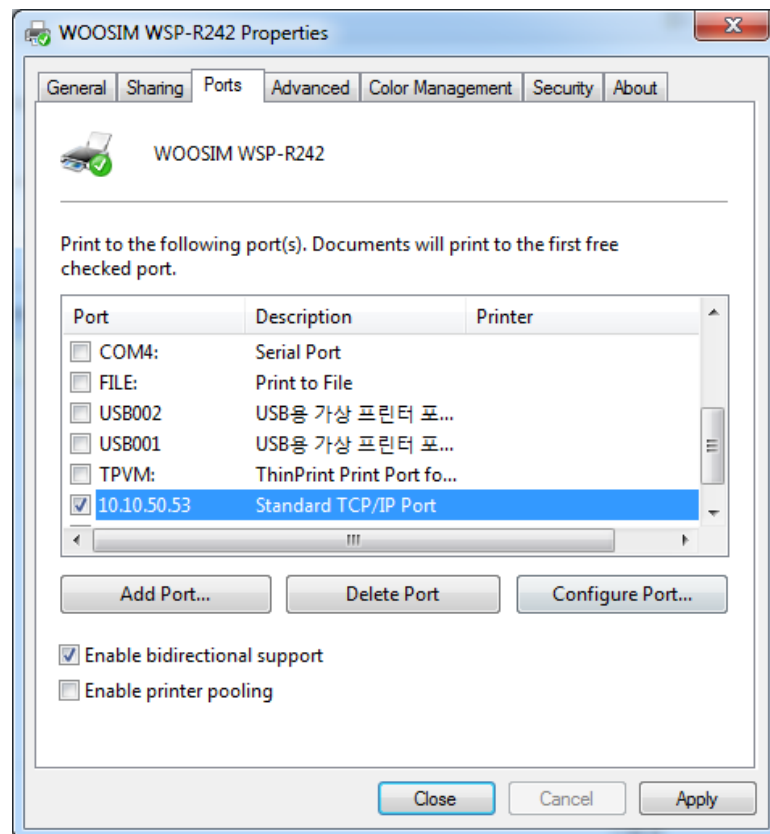(By Bluetooth, Set the COM of paired Device)
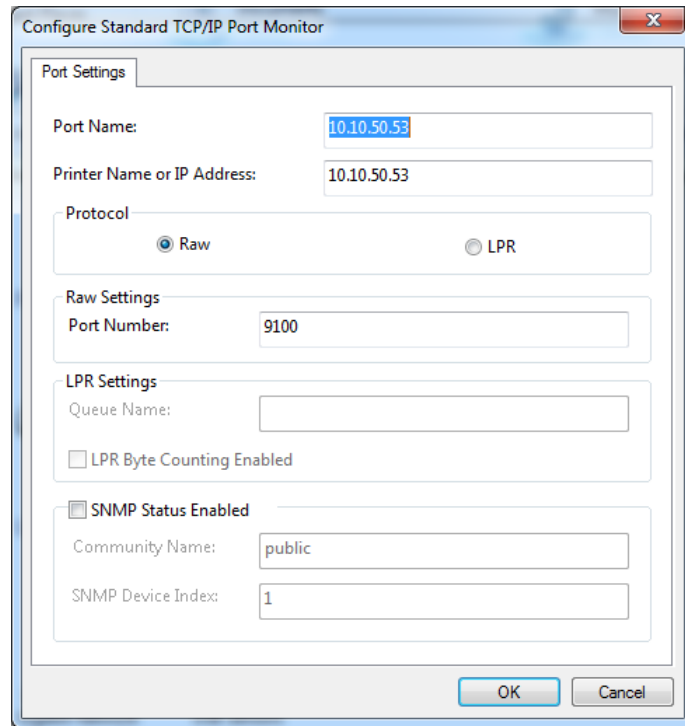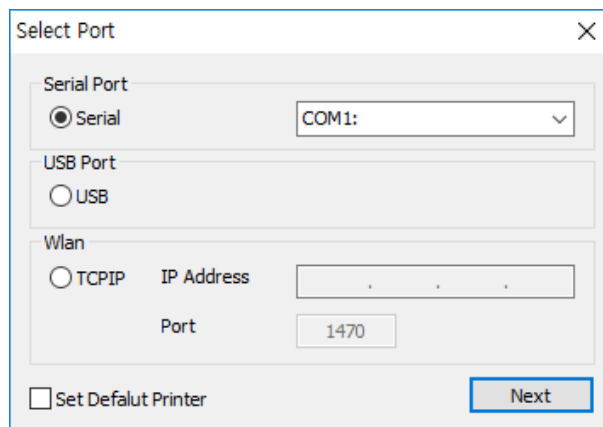
4). Windows restarts by clicking "**Yes**".
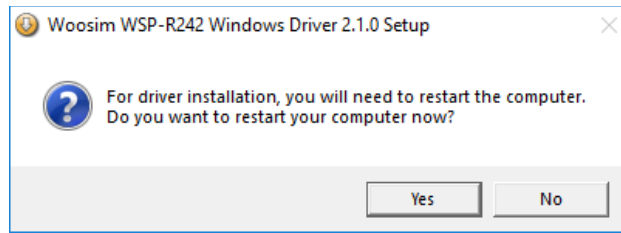
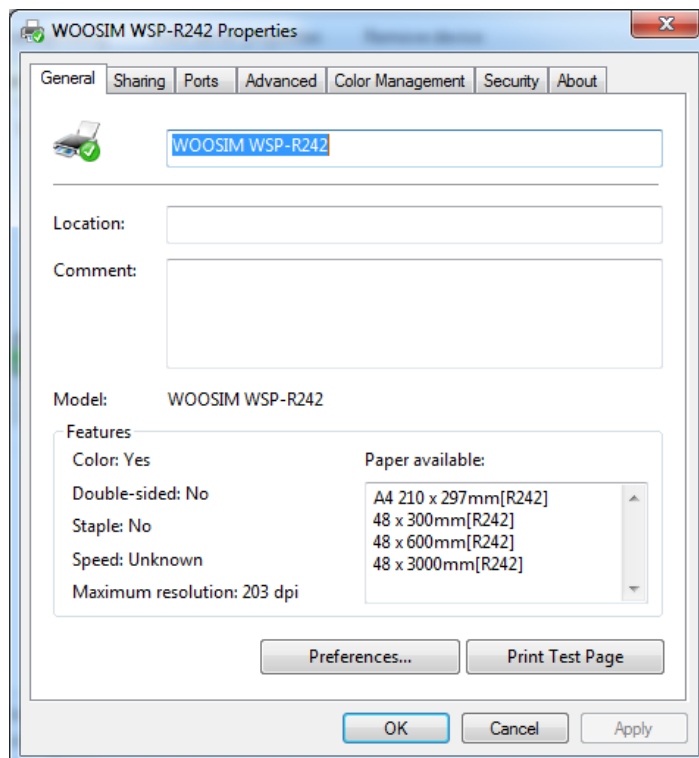5). The installed Printer Driver can be checked in **Control Panel-> Hardware and Sound -> Device and Printer.**

6). Open the Printer Properties, move to "**Port**" tap and Click "**Configure Port**"

(When using Bluetooth, skip this step)
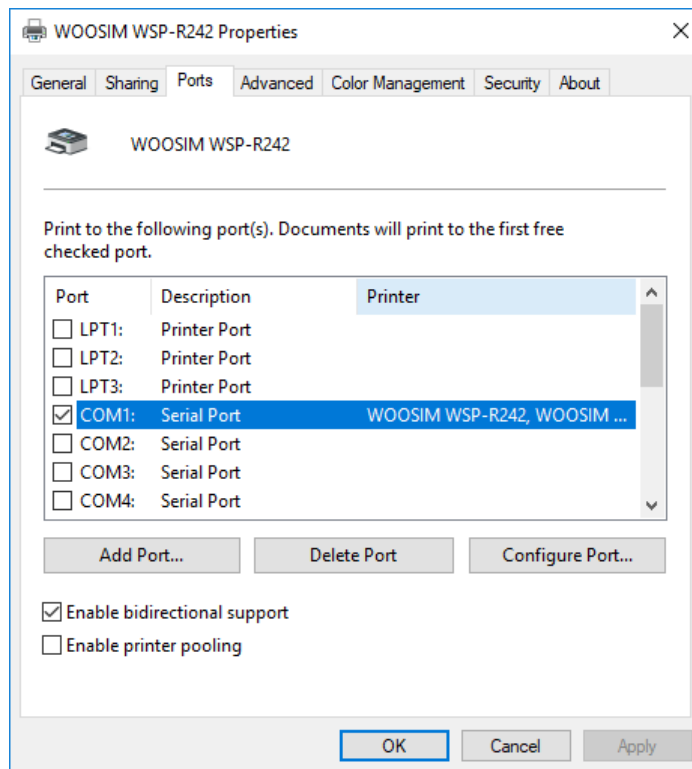
7). Set the Communication Setting same as the printer.

(The Communication Setting of the Printer can be checked through the Self-test.)

8). Click **"Print Test Page"** to check whether it prints successfully.
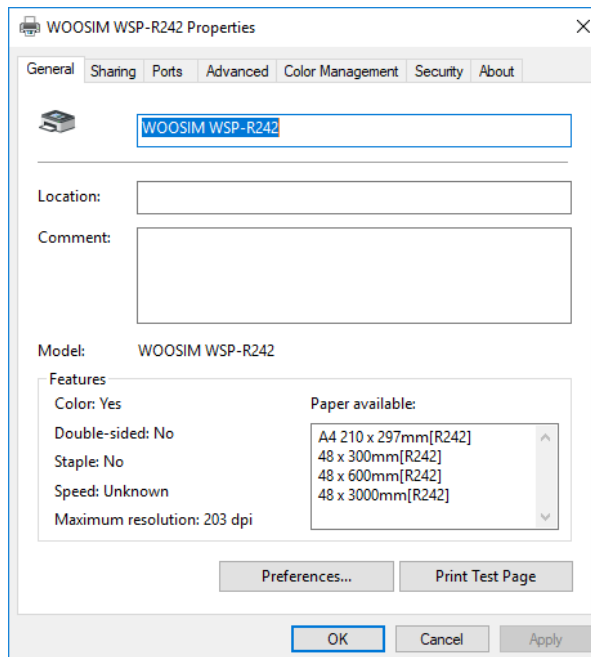
2.3.2. Via USB.

1). Execute the Windows Printer Driver Package.

2). Click "**Install**" to proceed the installation.
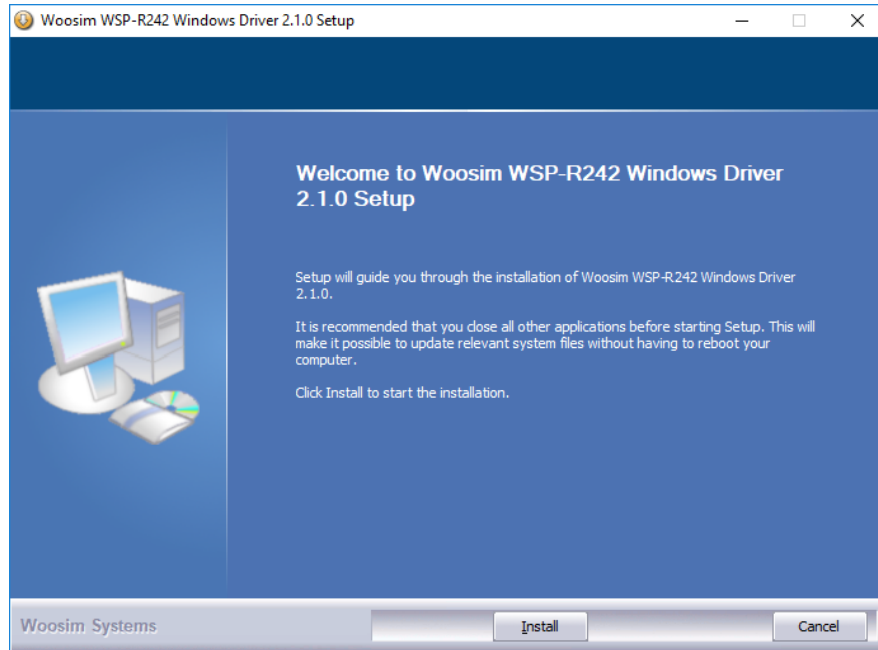
3). Set the USB Port and click "**Next**"
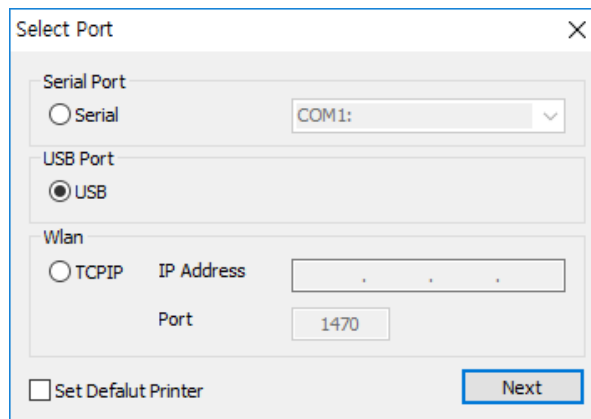
4). Windows restarts by clicking "**Yes**".
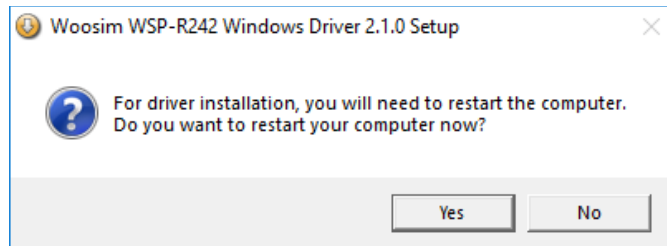
5). The installed Printer Driver can be checked in **Control Panel-> Printers and other Hardware -> Printer and Fax**.

7). The Driver will be installed by connecting the Printer.

6). Click **"Print Test Page"** to check whether it prints successfully.
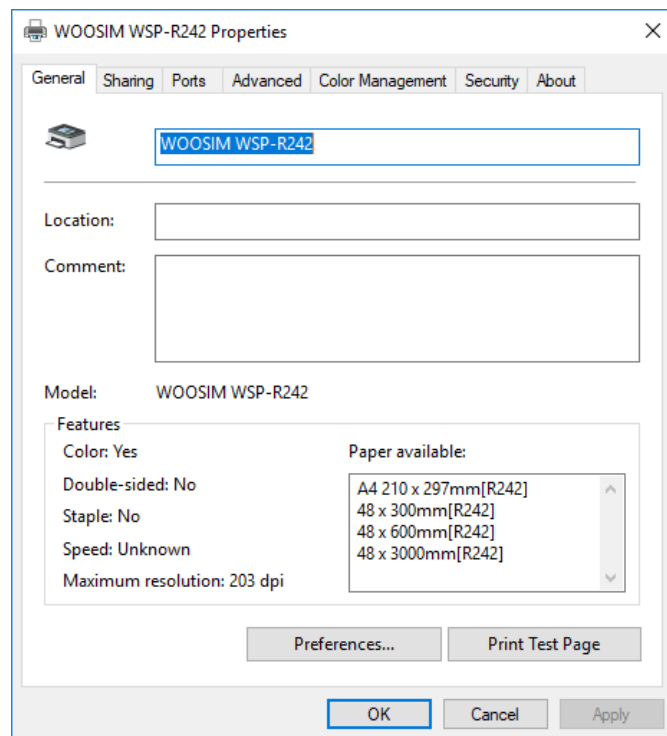
2.3.3. Via WLAN

1). Execute Windows Printer Driver Package
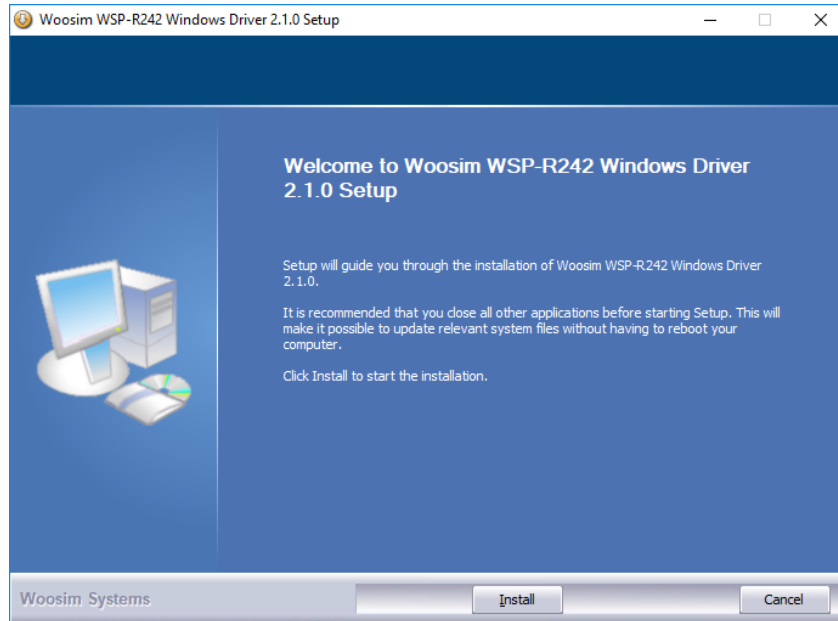
2). Click "**Install**" to proceed the installation.

3). Set the Printer IP Address and Port Number, and then click "**Next**".

(The configured Default Port for previous model is 1470 and 9100 for the current model.)
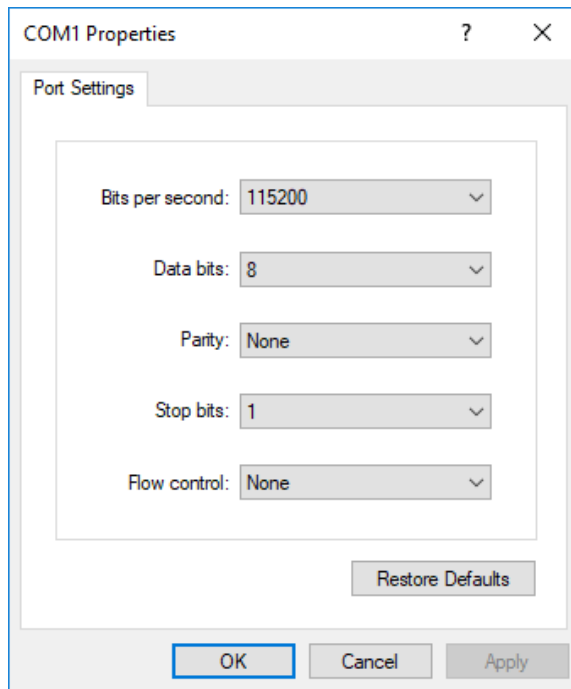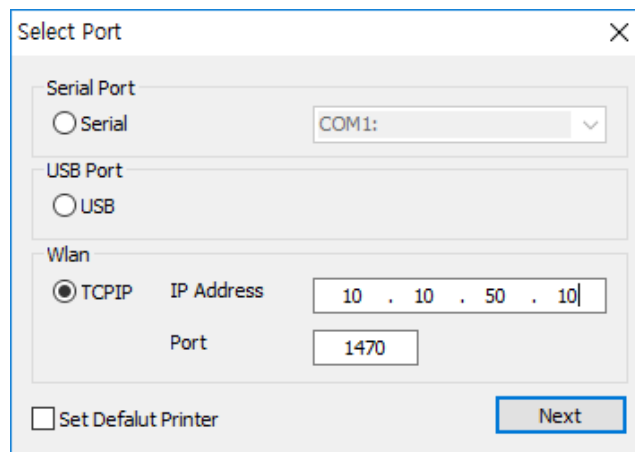
4). Windows restarts by clicking "**Yes**".
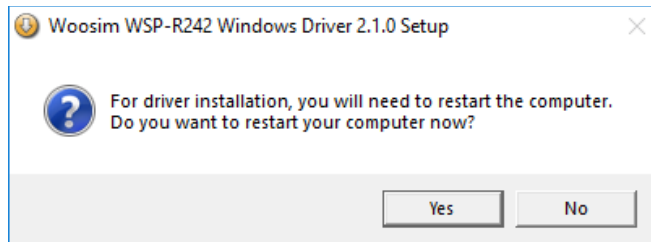
5). The installed Printer Driver can be checked in **Control Panel-> Hardware and Sound -> Device and Printer.**

6). Open the Printer Properties, move to "**Port**" tap and Click "**Configure Port**"

7). Check whether the TCP/IP Port Setting matches the Printer WLAN Setting.
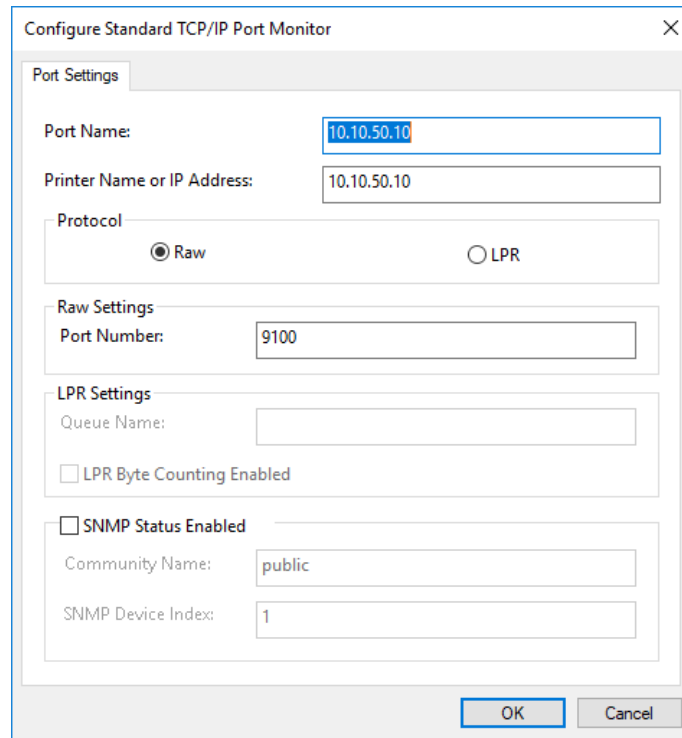
8). Click **"Print Test Page"** to check whether it prints successfully.
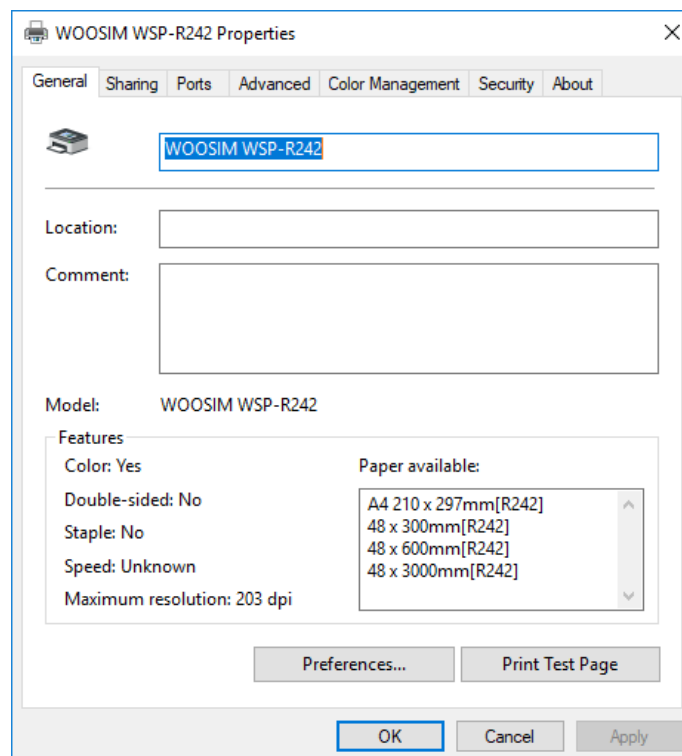
3. Windows Printer Driver Settings

Printer Driver provides various functionality and this chapter explains more specific about how to use the Driver. Users can select the printing preferences in the context menu in the installed driver and change general options for the printing papers.
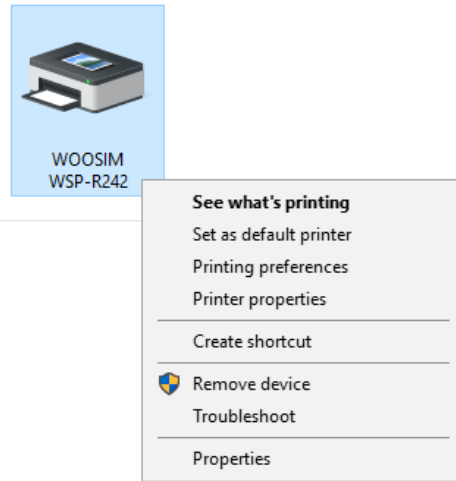
3.1. Paper Options
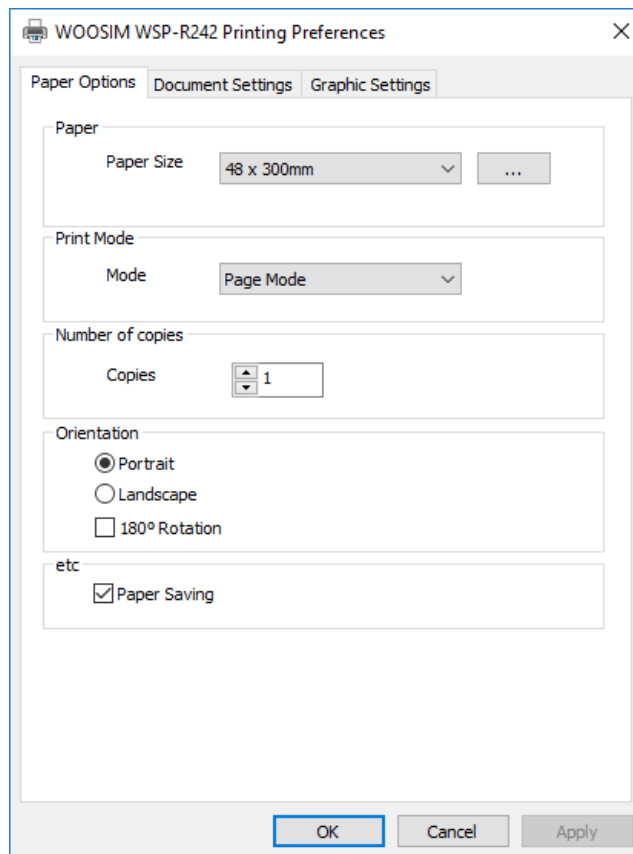
1). Paper Size

The paper size or the user defined paper size can be selected. The Paper size in the driver is as follows.

A4 210 x 297mm   48 x 300mm(Default Setting)   48 x 600mm   48 x 3000mm

When pressing the button **"..."**, paper defined dialog can be seen as follows.
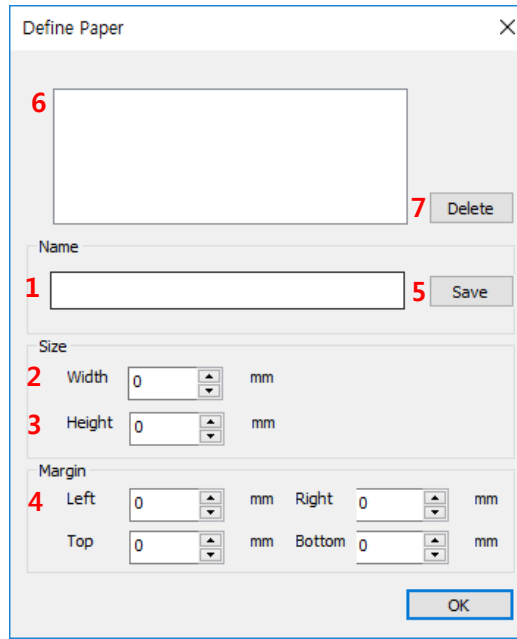
- ①   The paper Name
- ②   The Width. (Range: 25.4mm ~ 3276.0mm)
- ③   The Height. (Range: 25.4mm ~ 210.0mm)
- ④   The Margin.
- ⑤   Save Paper setting
- ⑥   User defined paper list will be appeared
- ⑦   Delete the selected paper from the list.

2). Print Mode

Set the Printer output mode in a Standard mode or a Page mode.

- •   **Standard Mode** – It is printed in Standard mode. It is printed immediately.
- •   **Page Mode(Default Setting)** – It is printed in a Page mode. It is printed at one go after the printer data is saved in internal buffer.

3). Copies – Set copy number.(Range:1~255)

4). Orientation

- •   **Vertical** – It is printed in vertical. Please set it when the printing document where the width is bigger than height

- **Horizontal** – It is printed in horizontal. Please set it when printing document where the height is bigger than width.

- **180˚ Rotation** – The document is printed with 180˚ rotation at current status.

5). **Paper Saving** – When printing, the paper doesn't have output like the paper size, but it has only print data.

3.2. Document Settings
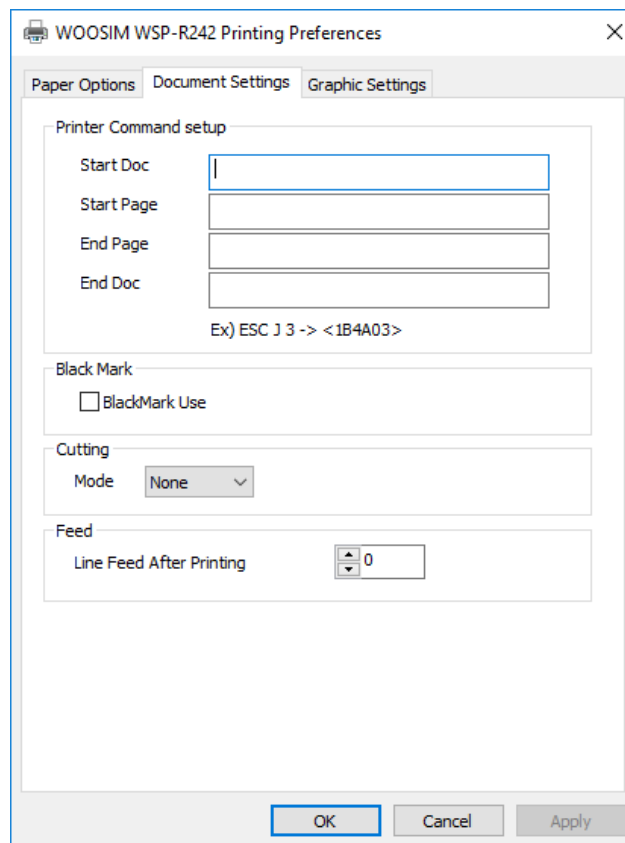
1). **Printer Command Setup**

Users can input command by themselves at the beginning and at the end of printing papers, at the each first and last page. The input command will be saved in Driver and can be checked when you open a new window. The command is written in Hexadecimal digit, please refer to the **Woosim Command Manual**.

For e.g.) ESC J 3 -><1B4A03> (It feeds 3dots in the direction of print.)

Printer Command setup

Start Doc	
Start Page	
End Page	<1B4A03>
End Doc	

Ex) ESC J 3 -> <1B4A03>

2). Black Mark

When the Black Mark detection is activated in the printer, it feeds till next Black Mark for every page printout.

3). Cutting

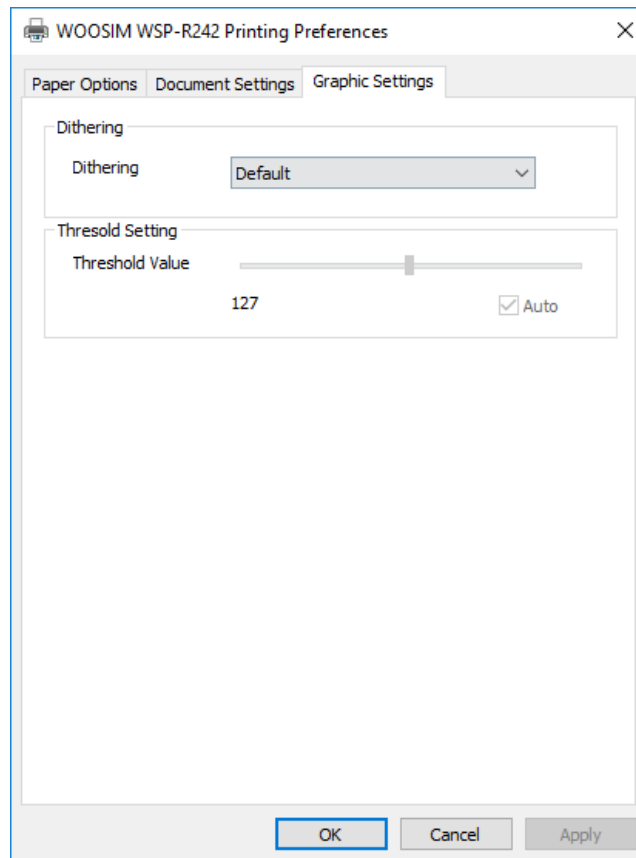Select a cutting mode for adding cutting commands at the end of printing.

- **None** – Deactivate
- **Partial Cut** – It cuts after some parts left behind.
- **Full Cut** – It cuts completely.

4). Line Feed After Printing

Enter a number for adding line feed commands at the end of printing. (Range: 0~255)

3.3. Graphic Settings

1). **Dithering**

Please set the Dithering Method.

- **Default** – Proceeded as Windows Default Dithering Algorithm.
- **Threshold** – Binary algorithm is used to be proceeded. The outline is printed more clear when printing barcode.

2). **Threshold Setting**

It activates, when setting "**Threshold**" in the "**Dithering**" option. Default setting is "Auto". When the users want to set Threshold value by themselves, please uncheck "**Auto**", and Threshold value can be set after controlling slide.

3.4. Applying Driver Settings

1). **To print the receipt**
   - ➢ Please set the height of paper bigger than the printout.
   - ➢ Please check the Paper Saving.
   - ➢ Please set Cutting Mode.
   - ➢ Please set the Line Feed After Printing so that there is some space between edge of printout and Cutting line
   - ➢ Please set the Dithering option as the Threshold if Barcode or QRCode is included.
   - ➢ Please add the command in the Printer Command Setup if extra operation is needed after receipt print is completed.

2). **To print the label**
   - ➢ Please set the user defined paper size to be matched the label size.
   - ➢ Please set the horizontal and vertical output based on output feature.
   - ➢ Please uncheck the Paper Saving mode.
   - ➢ Please check the Black Mark Use.
   - ➢ Please set the cutting mode.
   - ➢ Please set the Dithering option as Threshold if Barcode or QRCode is included.
   - ➢ Please add the command in the Printer Command Setup if extra operation is needed after receipt print is completed.