
Samsung Universal Print Driver 2

User's Guide

Samsung Electronics, Co., Ltd.

Version 1.12

August, 2014

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INTRODUCTION

The Samsung Universal Print Driver(UPD) is a single driver that can be used for different printer models. If you install only one Universal Print Driver, you can access any Samsung printer which is supported by UPD. UPD gives the user instant access to not only Samsung printer devices, but also other vendor's PDL devices(*) without installing separate drivers.

(*)Samsung does not guarantee print quality or feature compatibility.

UPD first released in 2009. It has been upgraded to give the users more useful features and compatible with users' IT environments. "**Samsung Universal Print Driver 2**" (UPD2) has released in 2013.

Driver Types

There are 4 types of **Samsung Universal Print Driver 2**, which are up to PDL type.

Driver Type	Description
Samsung Universal Print Driver 2	Supporting SPL or PCL6 supported models * Recommend for all users (from home users to IT administrators)
Samsung Universal Print Driver 2 PS	Supporting PS supported models * Recommend for users who want to get PostScript output
Samsung Universal Print Driver 2 PCL6	Supporting PCL6 supported models * Recommend for users who want to get PCL6 output
Samsung Universal Print Driver 2 XPS	Supporting SPL, PCL6 or XPS supported models * Recommend for users who want to get the output from XPS print path * XPS printer driver can be installed only on Windows Vista OS or higher

- All types are Microsoft certified.

What's New

- **Faster And Simpler Device Discovery**
 - UPD2 gives the user faster printer discovery and supports flexible configuration of the devices. It reflects the configuration on the UI dynamically and instantly.
 - In the case of non-SNMP communication environment where automatic discovery is invalid, UPD2 now supports manual printer selection so that a wider range of user can use UPD2 without any environmental restriction.
- **Lighter And More Reliable Driver Operation by On-the-fly UI**
 - UPD2 has improved and simplified UI design. When the user selects their own preferred printer, UI layout and device configuration (options) of the printer are shown on-the-fly.

- Giving lighter and more reliable driver's UI operation to the users, UPD2 no longer pop-ups the window when opening driver's UI by separating UPD applications.
- **Support Model's Full Features**
 - Users can use the same full features as model-specific print drivers with UPD2. Manual Duplex and Special Pages (including Cover Page, Insert Pages and Exception Pages) are now newly supported.

SUPPORTED ENVIRONMENTS

Client Operating Systems

OS Name	Architecture	Edition
Microsoft Windows XP	32 bits 64 bits	Home Edition Professional
Microsoft Windows Vista	32 bits 64 bits	Business Enterprise Home Basic Home Premium Ultimate
Microsoft Windows 7	32 bits 64 bits	Starter Home Premium Professional Enterprise Ultimate
Microsoft Windows 8/8.1	32 bits 64 bits	Pro Enterprise

Server Operating Systems

OS Name	Architecture	Edition
Microsoft Windows 2003	32 bits 64 bits	Datacenter Enterprise Standard Edition
Microsoft Windows 2008	32 bits 64 bits	Datacenter Enterprise Standard Edition
Microsoft Windows 2008 R2	64 bits	Datacenter Enterprise Standard Edition
Microsoft Windows 2012 (R2)	64 bits	Foundation Essentials Standard Datacenter

Microsoft Windows Terminal Servers

- Windows Server 2003 SP2, 2008, 2008 R2 and Server 2012 (R2)

Microsoft Windows Cluster Servers

- Windows Server 2003 SP2, 2008, 2008 R2 and Server 2012 (R2)

Citrix

- Citrix XenApp 6.5
 - Microsoft Windows Server 2008 R2
- Citrix XenApp 6.0
 - Microsoft Windows Server 2008 R2
- Citrix XenApp 5.0
 - Microsoft Windows Server 2008
 - Microsoft Windows Server 2003

BEFORE YOU INSTALL

Check Your Environment

1. Check the system requirements.
 - a. Refer to "Supported Environments" section for details.
2. Check your printer's supported PDL and decide which driver package you will use.
 - a. Refer to "Supported Printers" sections for details.

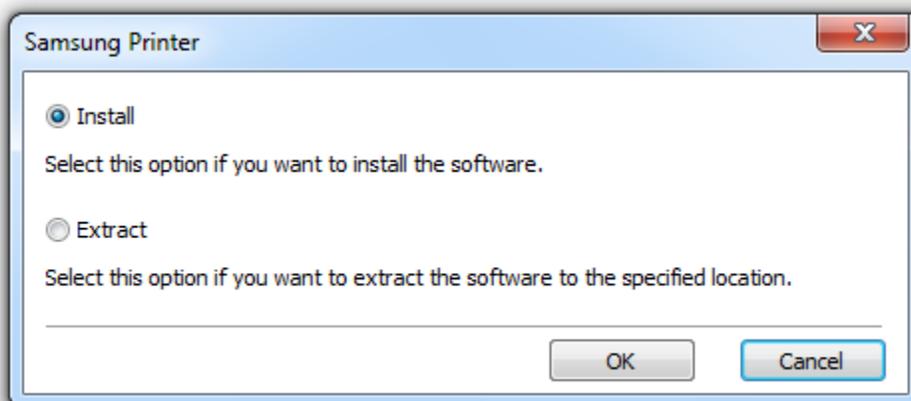
Download the Driver You Prefer

1. Visit Samsung Printer Driver Download Page
<http://www.samsung.com/printer/usefulsoftware>
2. Download the preferred type of UPD2 as you checked previously.

INSTALLATION

UPD2 gives the user two choices of installation methods.

At first, when you click download UPD2 executable file, you will see following dialog.



Using Samsung Installer (Recommended)

Select "**Install**" button shown in above dialog window to install by using Installer software. Follow the instructions shown in the dialog window after clicking **[OK]** button.

* If you install UPD2 with Samsung Installer, you can use "**Select Printer**" application, which can discover printer through local and network and connect selected device to UPD2 easily.

Using Add a Printer Wizard Method From Devices and Printers Folder

1. Select "**Extract**" button to extract install files. Open **Devices and Printers**(*) Folder.
2. Click [**Add a printer**] button on the folder to install the driver using extracted files.
3. Follow the instructions that Add a Printer Wizard guides you.

(*)Folder name may differ from each OS.

UNINSTALLATION

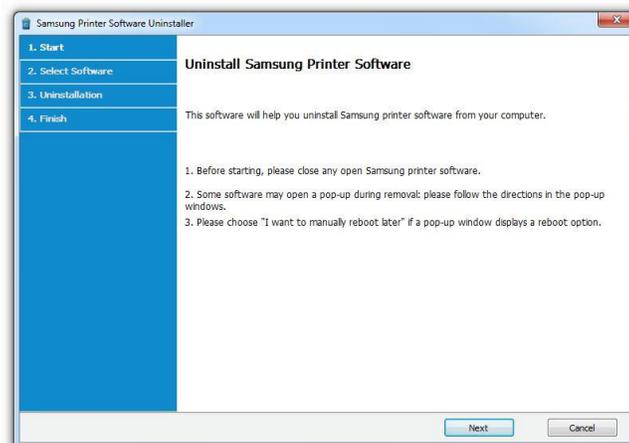
How To Uninstall UPD2 With Samsung Uninstaller

If you installed UPD2 using Installer, you can uninstall UPD2 by Samsung Printer Software Uninstaller.

1. Select **Uninstall Samsung Printer Software** from **Start > All Programs > Samsung Printers**



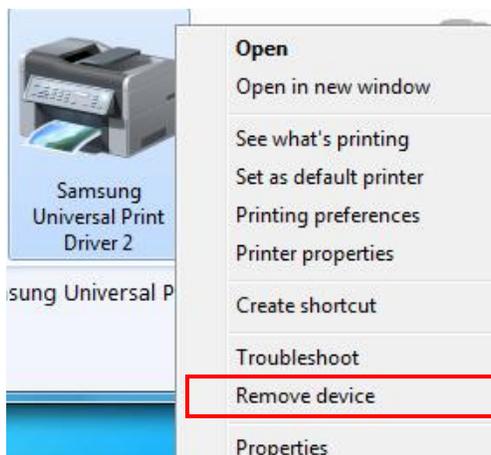
2. Launch the **Uninstall Samsung Printer Software** window. Read the instructions, then click [**Next**] button to continue and follow the instructions displayed in the window.



How To Uninstall UPD2 From Devices and Printers Folder

If you installed UPD2 using Add Printer Wizard, you can uninstall UPD2 as following steps.

1. Select **Start > Control Panel > Devices and Printers**
2. Right click your UPD2 printer icon > context menus > **Remove device**.



3. Select **Print server properties > Drivers** tab.
4. Select UPD2 driver item and select **[Remove...]** button.
5. Select **Remove driver and driver package** option and click **[OK]**.
If removing driver package fails, please restart your PC and try it again.

USING “Samsung Universal Print Driver 2”

When user wants to search and set their own printer in their local or network environment, UPD2 gives the user various methods.

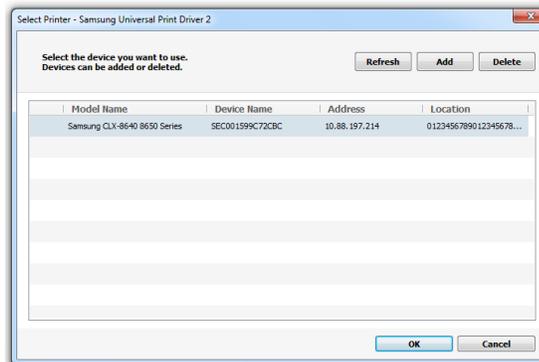
How To Select Your Printer Automatically

Under SNMP connection supported environment, the following procedure leads the user to search and set your local or network printer automatically.

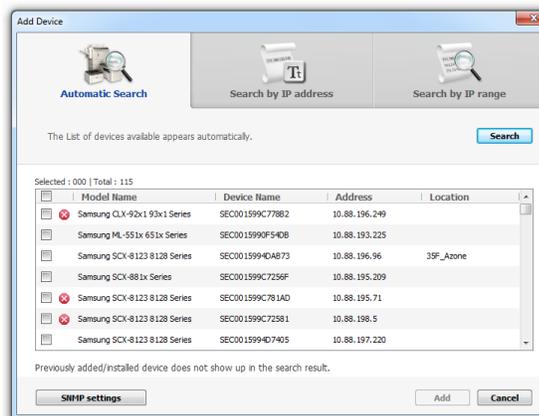
1. Launch a software(Select Printer) by selecting “**Select Printer**” application.
Start > Samsung Printers > Samsung Universal Print Driver 2 (PDL Name)



2. Click [**Add**] button to start searching printers in your network automatically.
 - a. If you previously specified the printer during installation, printer is listed, otherwise no printer is listed.



3. While searching the printers, **Add Device** window will be displayed.
After searching, select the printer you want to add to the list (multiple selection is available), then click [**Add**] button.



4. After "**Select Printer**" dialog window (shown in 2 above) is displayed and select the model you want to add, then click [**OK**] button.
5. If the selected printer is supported device, operation successful message dialog will be shown and the UPD2's configuration will be applied to the UI. Check your UPD2's printer properties.

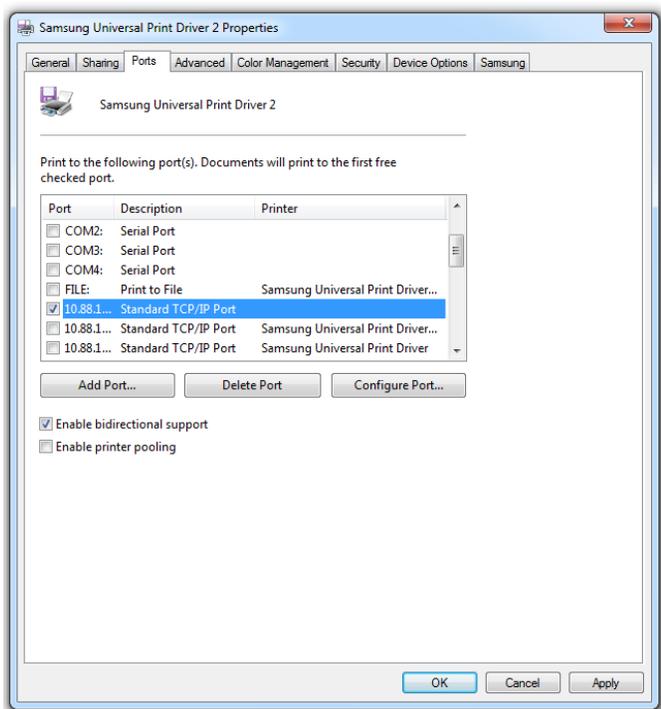
How To Select Your Printer Manually

If user's network environment can't use SNMP communication because of internal network policy or some reasons, user can select the printer manually using the following methods.

Before you select manually...

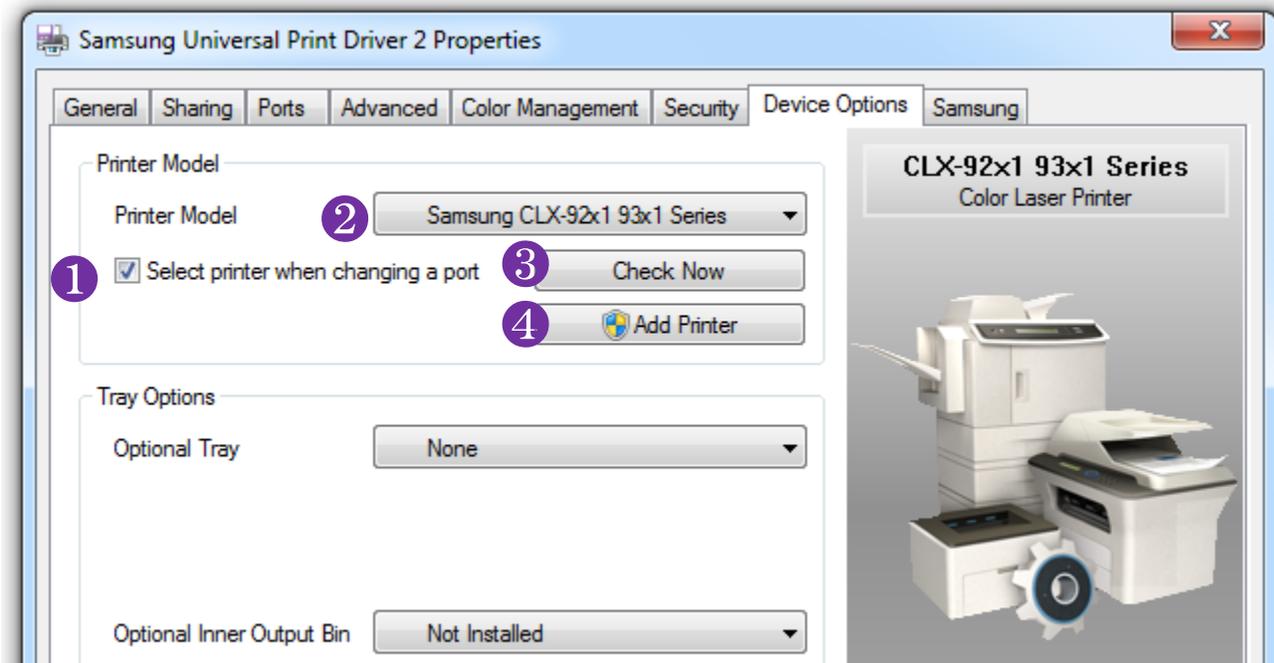
Set a "port" using the following steps. It is a required procedure before selecting printer manually.

1. **Select Start > Control Panel > Devices and Printers.**
2. Right click your UPD2 printer icon > context menus > **Printer Properties.**
3. Open "**Ports**" tab and click [**Add Port...**] button.



4. Select Port types that you want to add.
5. Click [**New Port...**] button and then follow the instructions.

Use of [Printer Model] features in Device Options of Printer Properties



(1) Select Manually By Using [Select printer when changing port]

- When this feature is checked, UPD2 will automatically access the port that previously set (or changed) and detect the printer. If UPD2 supports the detected printer, [Printer Model] will automatically changed to the connected printer and dynamically UI will be displayed as expected.
- In the case the connected port is invalid, warning message will be displayed, in this case, try [Printer Model] selection described in the followings.
- With this feature unchecked in UI, UPD2 will not detect the connected printer automatically even if port is set (or changed).

(2) Select Manually By Selection of [Printer Model]

- User can select the printer from the list of [Printer Model](drop down list box).
- After selecting the model user preferred, settings are automatically applied to the driver.

(3) [Check Now] button

- When the users press this button, UPD2 immediately checks the printer which is currently connected to the port and automatically apply the setting to the driver.

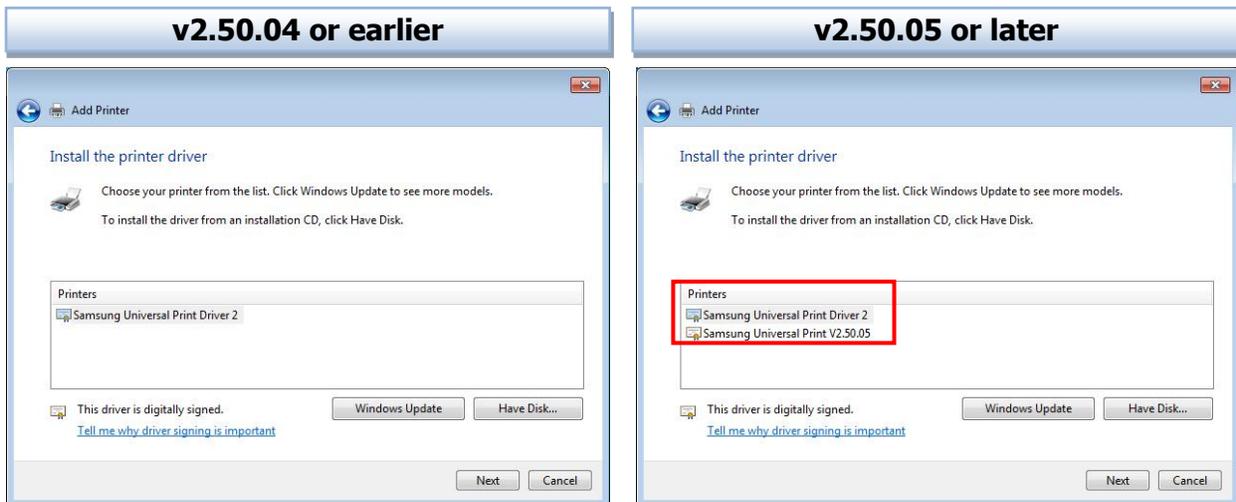
(4) Using [Add Printer]

- After you set the printers by manually (or even automatically), to make easier access to the printer that is already selected in [Printer Model] list, users can create a static printer which is currently selected printer in [Printer Model] to your [Devices and Printers] folder by clicking this [Add Printer] button.

- The driver will be created in the following format:
<Printer Name> (Port Name)
e.g.)
Settings:
Port: 10.88.100.100
Printer Model : Samsung CLX-9252 9352 Series
Click [**Add Printer**] button, then following new printer will be created.
"Samsung CLX-9252 9352 Series (10.88.100.100)"

Co-exist Latest Version With Older Version

From UPD2 2.50.05 or later version, the newer version can be installed and used with an older version on a single PC. To use it, you need to install driver using [Add Printer Wizard]. Please refer to **Using Add a Printer Wizard Method From Devices and Printers Folder** for installation method.



SUPPORTED PRINTERS

The list below is based on the UPD2 Ver.2.50.05.00.

Newer devices(models) will be added accordingly. Visit <http://www.samsung.com/printer> for the latest supported printers.

Device(Model)		Driver			
Series	Model Number	UPD2	UPD2 PCL6	UPD2 PS	UPD2 XPS
Color Models					
C	140x/145x Series	0	0	0	0
	1810/1860 Series	0	0	0	0
	2620/2670 Series	0	0	0	0
	410/420 Series	0			0
	460/470 Series	0	0	0	0
CF-	5100P				
	530 Series				
	555P	0			
	5800P/6800				
CLP-	300/310/320 Series	0			
	350 Series	0	0	0	0
	360 Series	0			0
	410 Series	0	0	0	0
	500/510 Series	0			
	550 Series	0	0	0	
	600 Series	0			
	610/620 Series	0	0		
	650/660/670 Series	0	0	0	
	680 Series	0	0	0	0
	770 Series	0	0	0	
	775 Series	0	0	0	0
	CLX-	216x/3160/3170/3180 Series	0		
3300/4190/6260 Series		0	0	0	0
6200/6220/6240/6250 Series		0	0	0	
8380/8385X/8540/8540X Series		0	0	0	
8640 8650 Series		0	0	0	0
9250 9350 Series		0	0	0	
9252 9352/92x1 93x1/981x/982x Series		0	0	0	0
Monochrome Models					
M	262x /267x Series	0			0
	262xND 282x/287x 283x/288x Series	0	0		0
	382x Series	0			0
	332x 382xND 382xDW 402x/337x 387x 407x Series	0	0	0	0
	458x Series	0	0	0	0
	4370 5370/5270 Series	0	0	0	0
	2020/2070 Series	0			0

K	2200 Series	0			0	
	2200ND Series	0	0		0	
	4350/401 Series	0	0	0	0	
MFP-	560/65x/750 Series	0				
	830 Series	0	0			
ML-	1000/1200/1430/1440 Series	0				
	1450 Series	0	0			
	1510_700/1520/1610/1630/1630W/ 1660/1670/1710/1740 Series	0				
	1750 Series	0	0			
	1860/1865W/191x 252x/200/2010 Series	0				
	2150 Series	0	0	0		
	2160 Series	0			0	
	2240/2245 Series	0				
	2250 Series	0	0	0		
	2510/2525W/2540 Series	0				
	2550/2550S/2570/2580/2850/2853/2855 Series	0	0	0		
	2950 Series	0	0		0	
	3050 Series	0	0	0		
	3300 Series	0				
	331x Series	0			0	
	3470/3475/3560 Series	0	0	0		
	371x/375x Series	0	0	0	0	
	4050/4055 Series	0	0	0		
	4300/4500/5080 Series	0				
	451x 501x Series	0	0	0	0	
	4550/4555 Series	0	0	0		
	551x 651x Series	0	0		0	
	6040/6070/6080 Series	0	0	0		
	8850 8950/8x00 Series	0	0	0		
	Msys	5150_5200	0			
	SCX-	3200 Series	0			
		3400 Series	0			0
4100/4200 Series		0				
4214F		0				
4300/4500/4500W/4600/4623/4623FW Series		0				
4650 4x21S Series		0			0	
470x/472x Series		0	0			
4725 Series		0	0	0		
483x 5x3x Series		0	0	0	0	
4x16 Series		0				
4x20 Series		0	0	0		
4x24/4x25/4x26 Series		0	0			
4x28/5635/5835_5953/5835_5935X Series		0	0	0		

	5x15 Series	0	0		
	5x30 Series	0	0	0	
	6545/6545X/6x55/6x55X/681x Series	0	0	0	
	6x20/6x22/6x45 Series	0	0	0	
	8030 8040 Series	0	0	0	
	8123 8128/8230 8240/881x/882x Series	0	0	0	0
SF-	5100P 530 Series 555P 5800P/6800P	0			
	760 Series	0			0
X	4300/401 Series	0	0	0	0