DNP

DIGITAL PHOTO PRINTER

DP-DS80D

Printer Driver Instruction Manual
For Windows Vista

January 5, 2015 Ver.1.01

●Safety precautions

Please read the User's Manual for the printer carefully before use, and follow the instructions. Note that the contents of directions for use and safety precautions correspond to the safety standards as of the time the User's Manual has been created.

●Remodeling

For product safety, do not remodel the DP-DS80D printers or the contents of the DP-DS80D printer drivers and the CD.

●Copyright

Copyrights, trademarks or any other intellectual property rights whatsoever that pertain to documents, programs or other items provided with this product, are ascribed to Dai Nippon Printing Co., Ltd., or the respective other holders of rights. Except in cases permitted by applicable laws, these may not be duplicated or used without consent from Dai Nippon Printing Co., Ltd.

Microsoft and Windows are registered trademarks of Microsoft Corporation valid in the USA and other countries.

LEADTOOLS Copyright (C) 2008 LEAD Technologies, Inc.

Contents

Chapter 1 Install 1

1.1 Printer and Host computer Connection 1

1.2 Found New Hardware Wizard 1

1.3 Install from Add Printer Wizard 6

Chapter 2 Properties 12

2.1 Opening Printer Properties 12

2.2 Explanation of Print Setting Functions 14

2.2.1 Layout 14
2.2.2 Advanced Options 16
2.2.4 Options 19
2.2.5 Color Adjustment 20
2.2.6 Printer Information 21

2.3 Default Values for Various Settings 22

2.4 Color Management 22

2.5 Print Area 23

2.6 Print Orientation 24

2.7 Print Method 26

2.7.1 Multi-layout 26
2.7.2 Example of Multi-layout application use 28
2.7.3 Duplex Printing 29

Chapter 3 Updating the Driver 32

Chapter 4 Driver Removal 38

Chapter 1 Install

1.1 Printer and Host computer Connection

Power ON the DP-DS80D and connect the DP-DS80D printer and the host by USB cable.
* Please refer to the manual for the DP-DS80D printer for connection if needed.

Note） Do not insert the accompanying CD at this time.
In order to install the driver, log in with administrator right. The following explanations are given on the assumption of use with administrator rights.

After that, if [Found New Hardware Wizard] is initiated, please install using the procedure in [1.2 Found New Hardware Wizard].If [Found New Hardware Wizard] is not initiated, please install in accordance with [1.3 Install from Add Printer Wizard].

1.2 Found New Hardware Wizard

When “Found New Hardware Wizard” starts running, click on “Locate and install driver software(recommended)”.

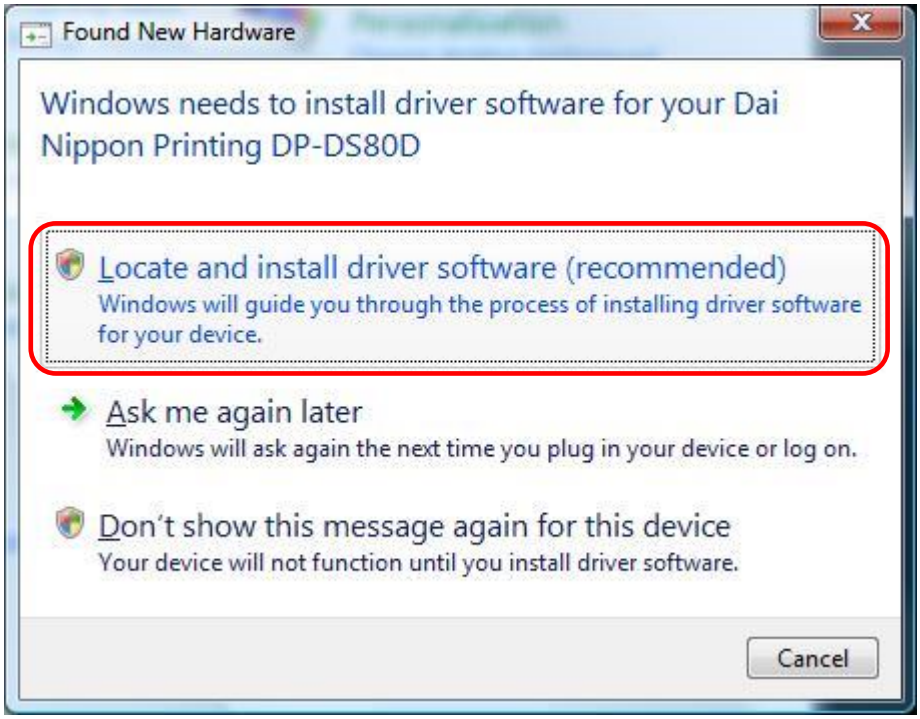


Fig 1.1 Found New Hardware Wizard

Note） For user account control, confirmation of “Windows needs your permission to continue” will be requested. Click on the “Continue” button.

If the message “Insert the disc that came with yuor Dai Nippon Printing DP-DS80D” appears, click on “I don’t have the disc. Show me other options”.

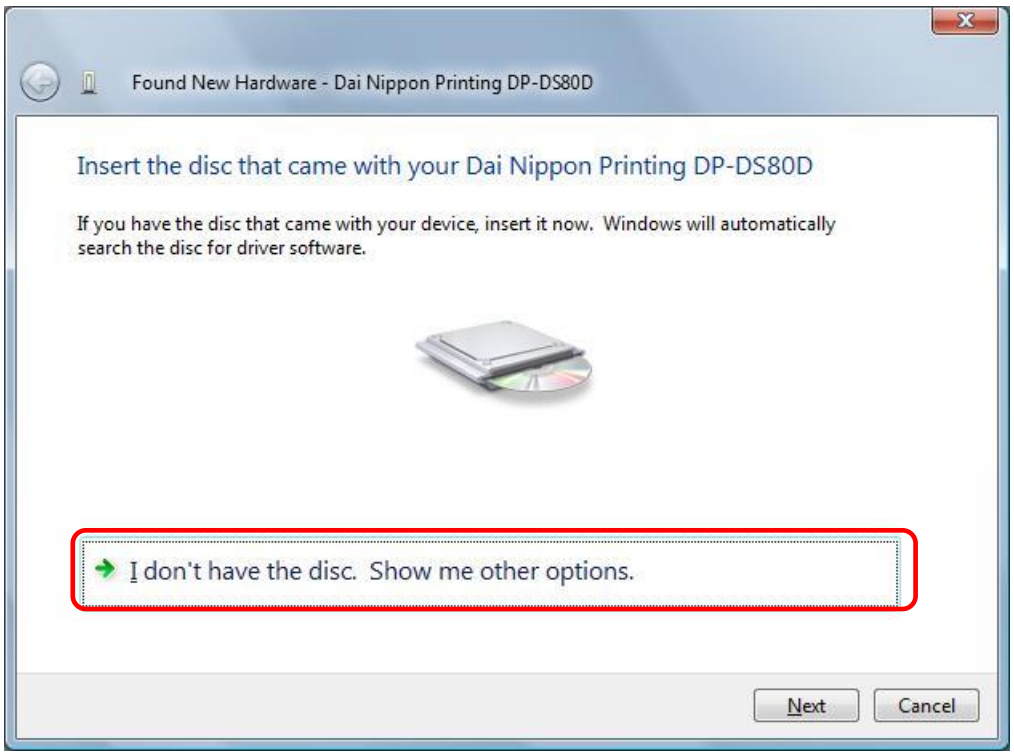


Fig 1.2 Insert the disc

If the message “Windows couldn’t find driver software for your device” appears, click on “Browse my computer for driver software(advanced)”.

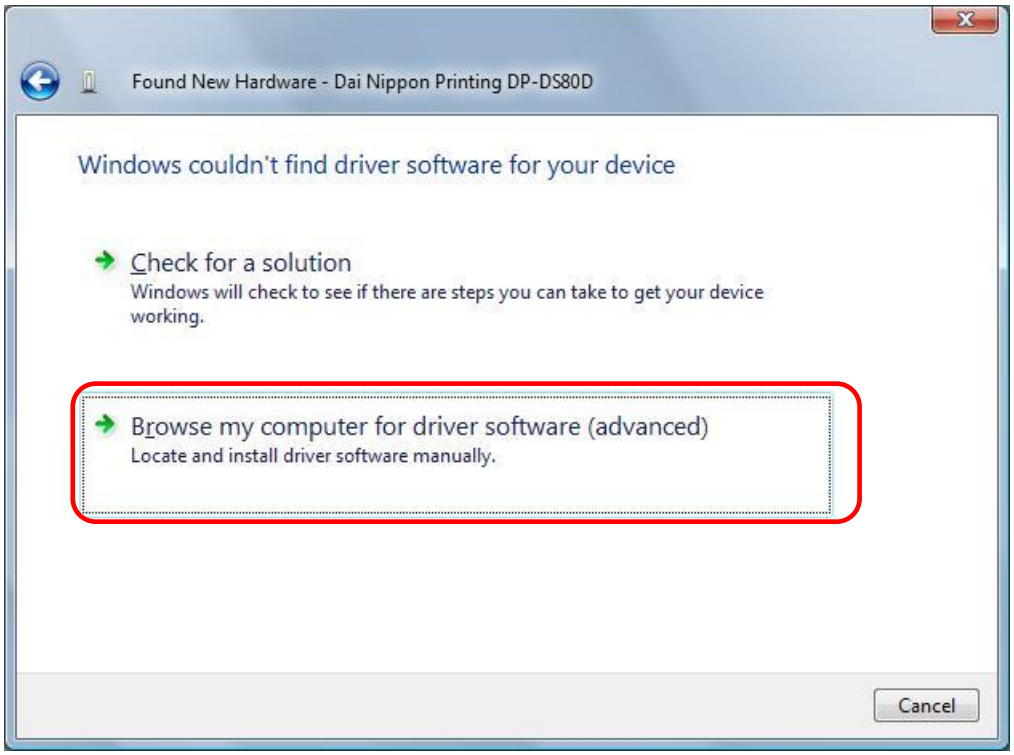


Fig 1.3 Windows couldn’t find driver software for your device

Insert the accompanying CD here.
If the message “Browse for driver software on your computer” appears, click on the “Browse” button, designate the location of the Installation Disk, and click on the “Next” button.

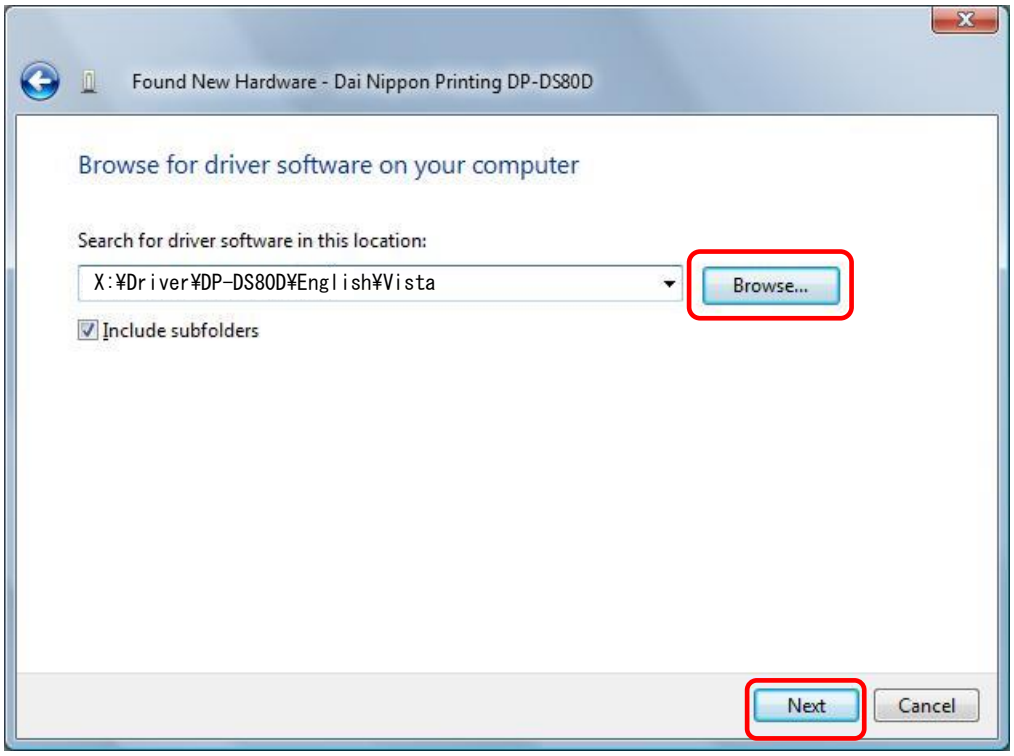


Fig 1.4 Designating the driver software location

If the Windows Security confirmation window appears, click on “Install this driver software anyway”.

Fig 1.5 Windows Security confirmation

The driver software will be installed.
When “The software for this device has been successfully installed” appears, click on the “Close” button, and end the wizard.

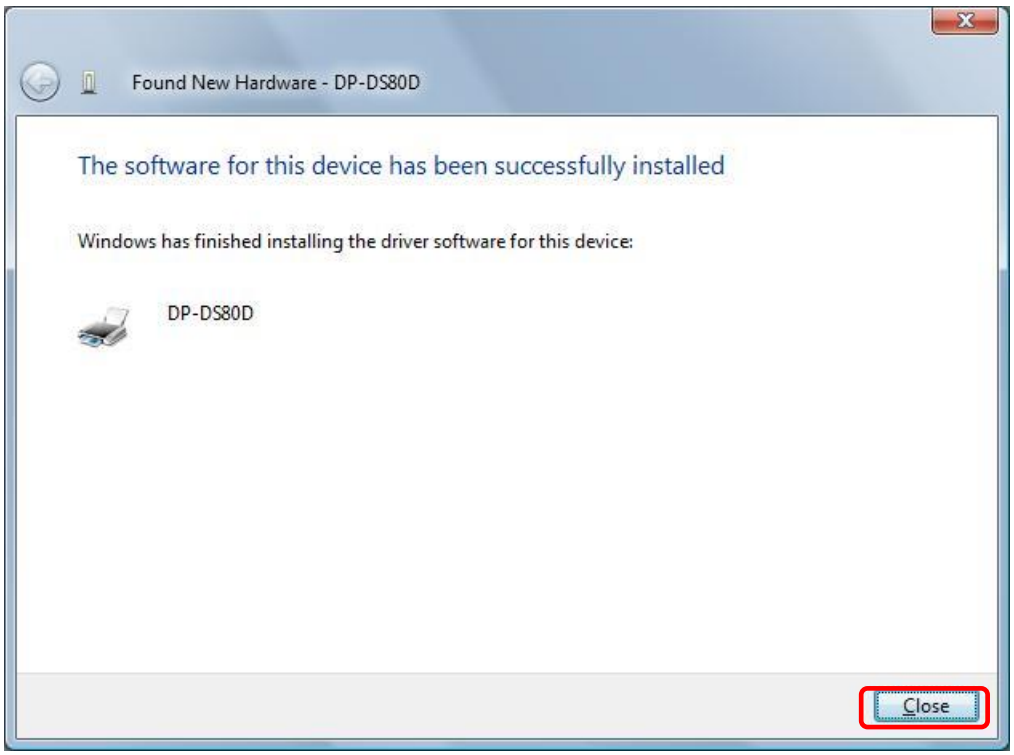


Fig 1.6 Installation Complete window

Select “Start”, then “Control Panel”, and open the control panel. Click on “Printer” in the control panel.

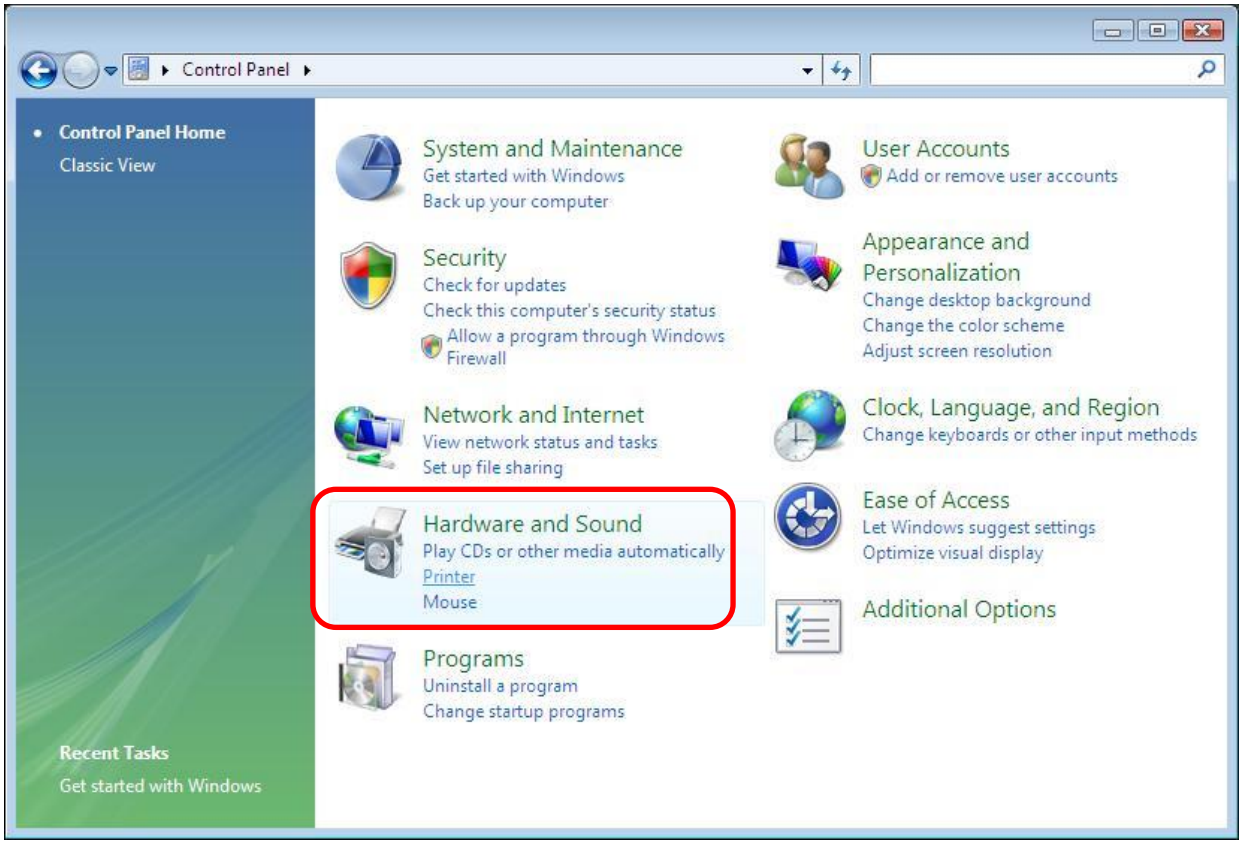


Fig 1.7 Control panel

Open [Printer] and confirm that [DP-DS80D] is shown.
Now installation is complete.

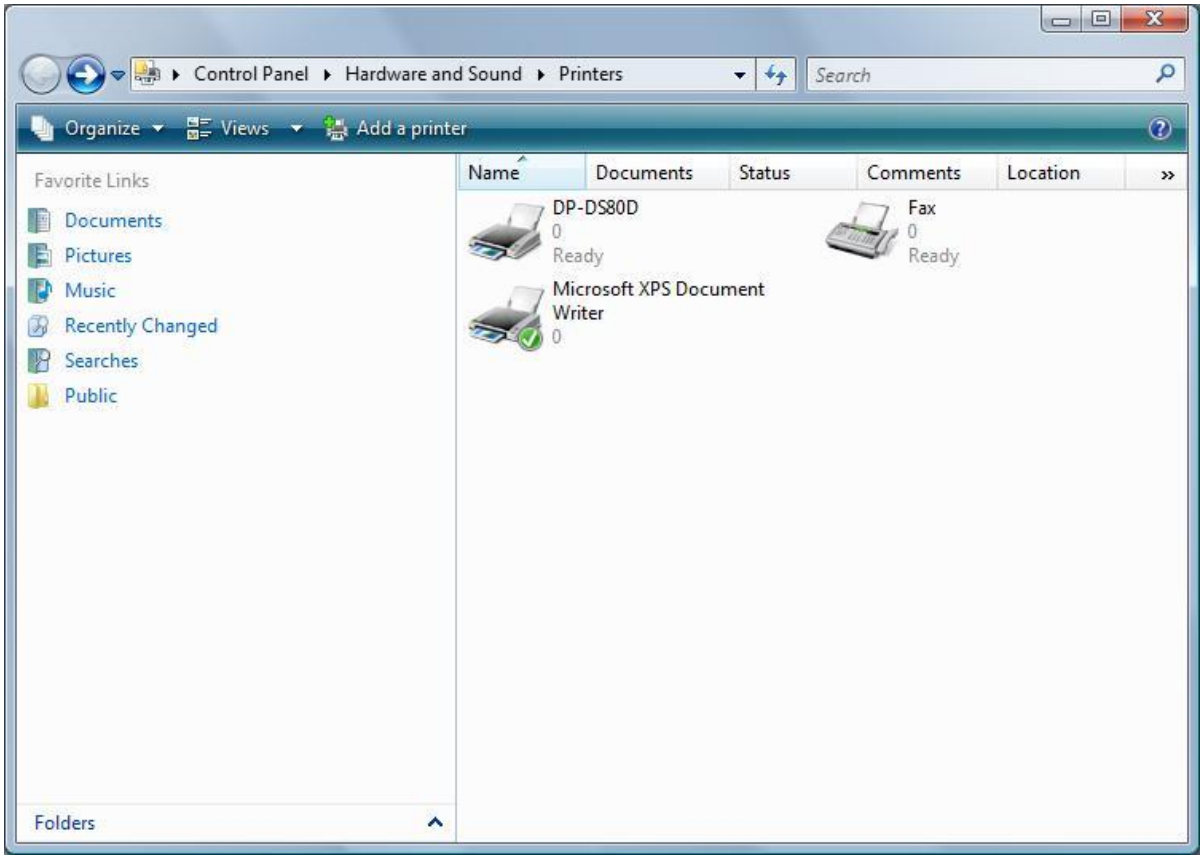


Fig 1.8 Printers

After installation of the printer-driver is complete, be sure to reboot the computer.

1.3 Install from Add Printer Wizard

Select “Start”, then “Control Panel”, and open the control panel. Click on “Printer” in the control panel.

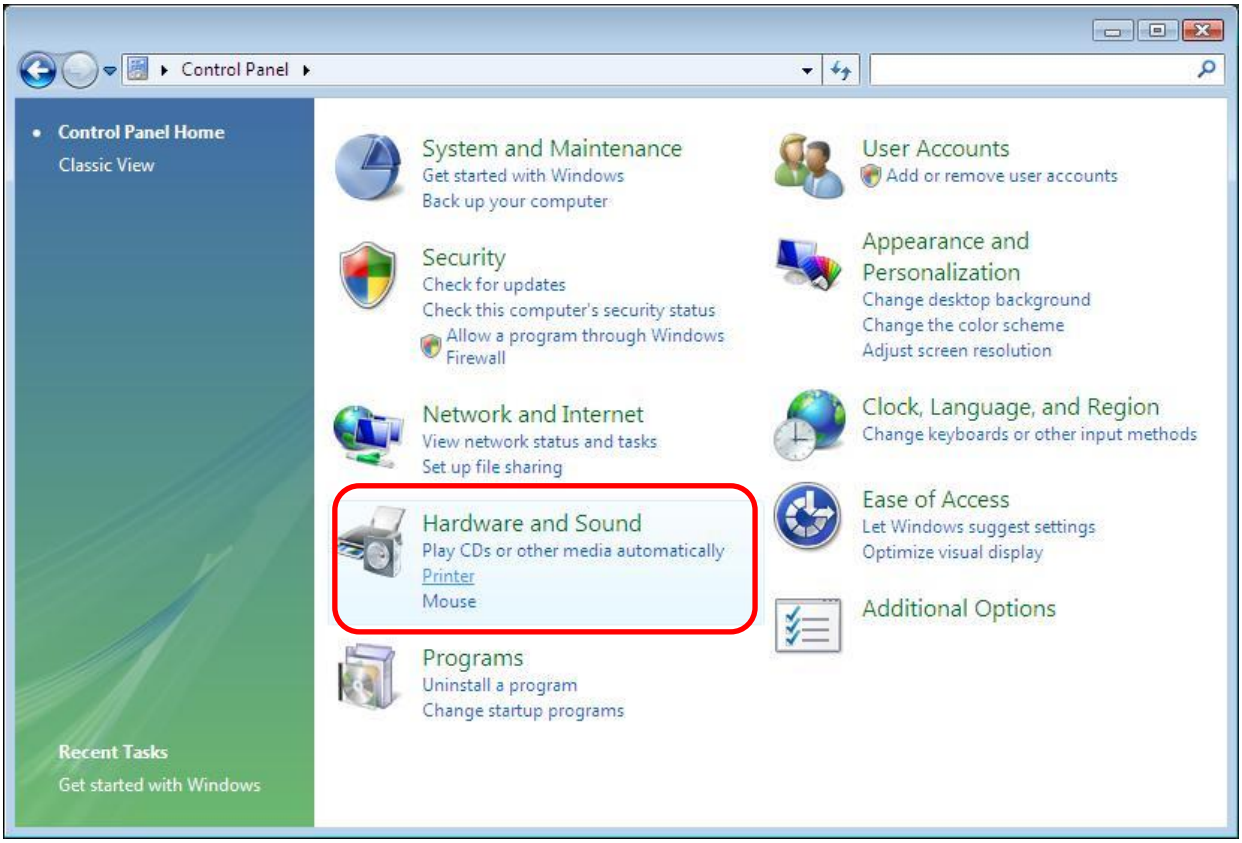


Fig 1.9 Control Panel

Click on “Add a Printer” in the menu bar at the top of the “Printer” window.

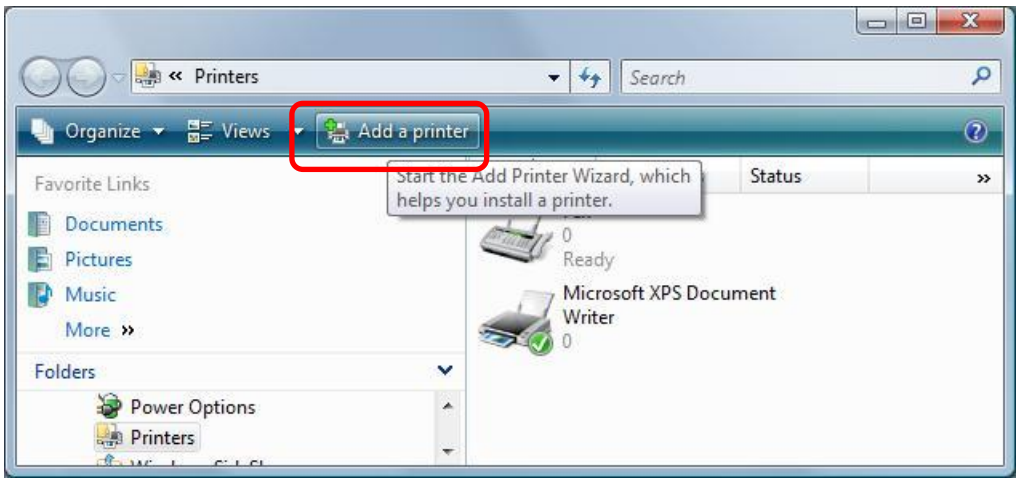


Fig 1.10 Printer window

When the “Choose a local or network printer” window appears, click on “Add a local printer”.

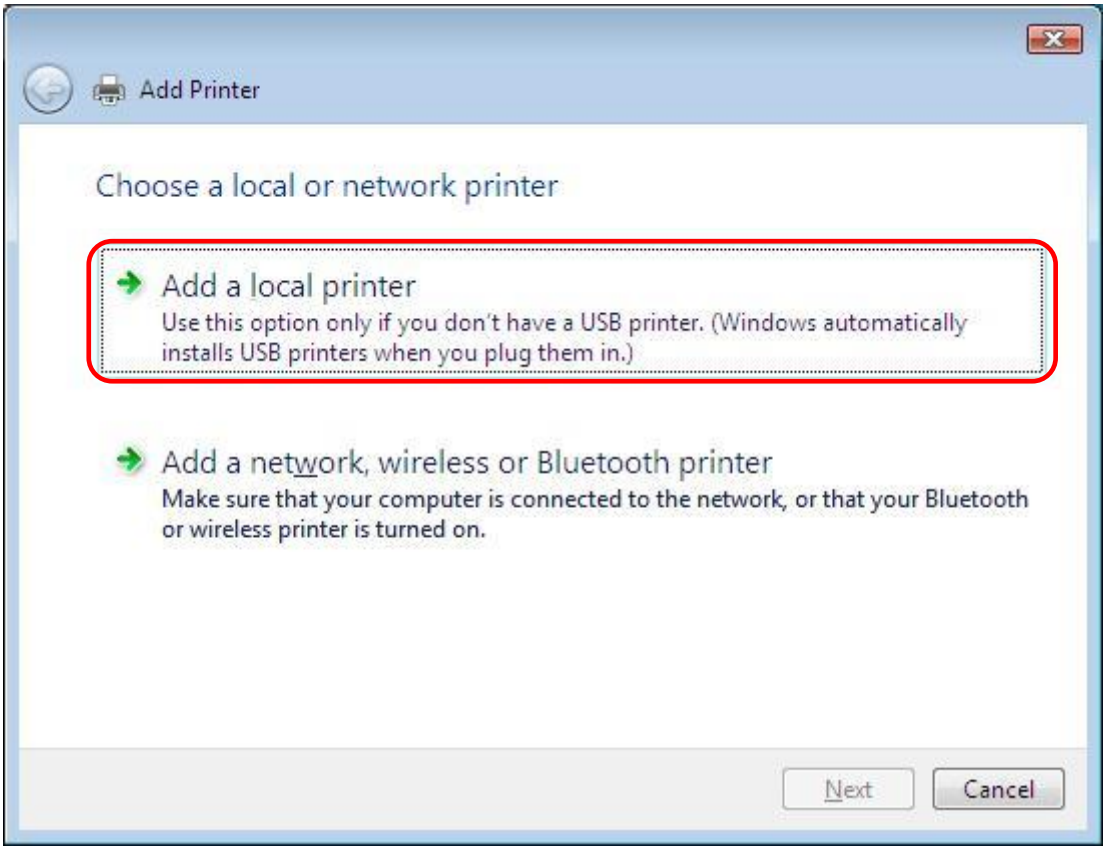


Fig 1.11 Choose a local or network printer window

When the “Choose a printer port” window appears, select “Use an existing port:”, and select the USB port the printer is connected to (for example, “USB001”) from the drop-down list, and click the “Next” button.

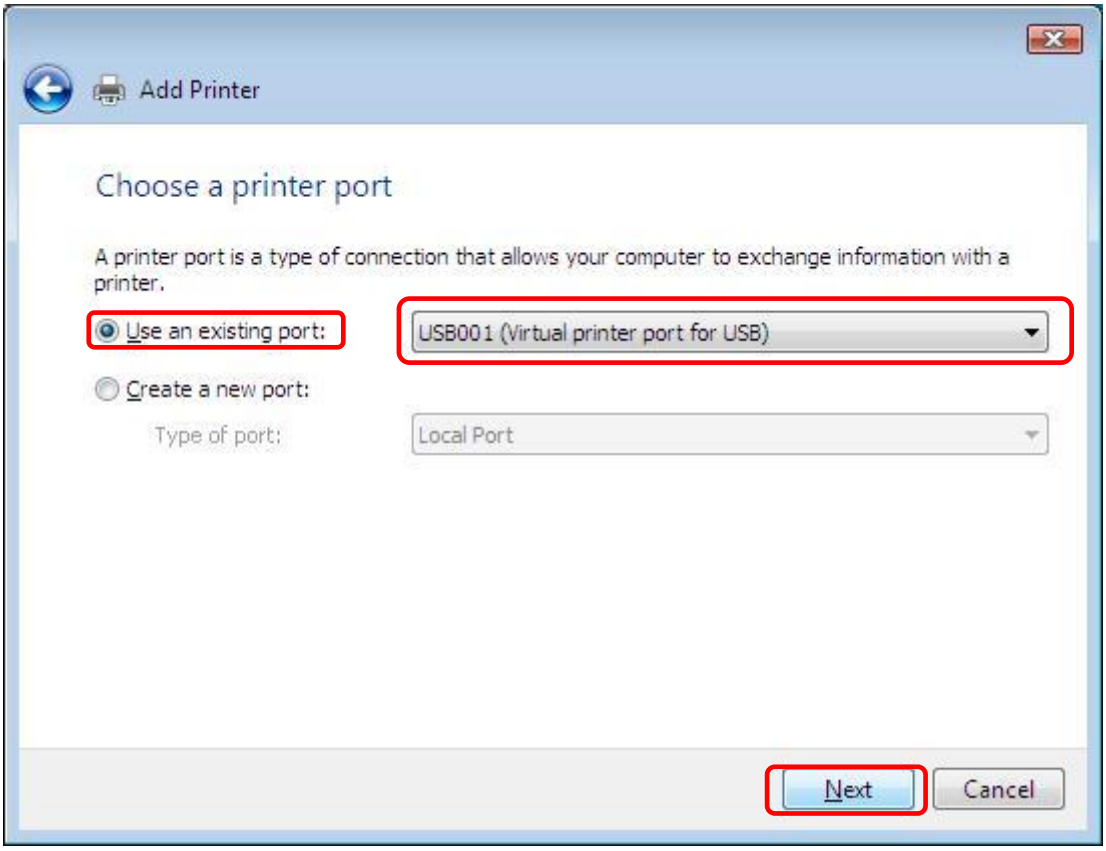


Fig 1.12 Choose a printer port window

When the “Install the printer driver” window appears, click on the “Have Disk...” button.

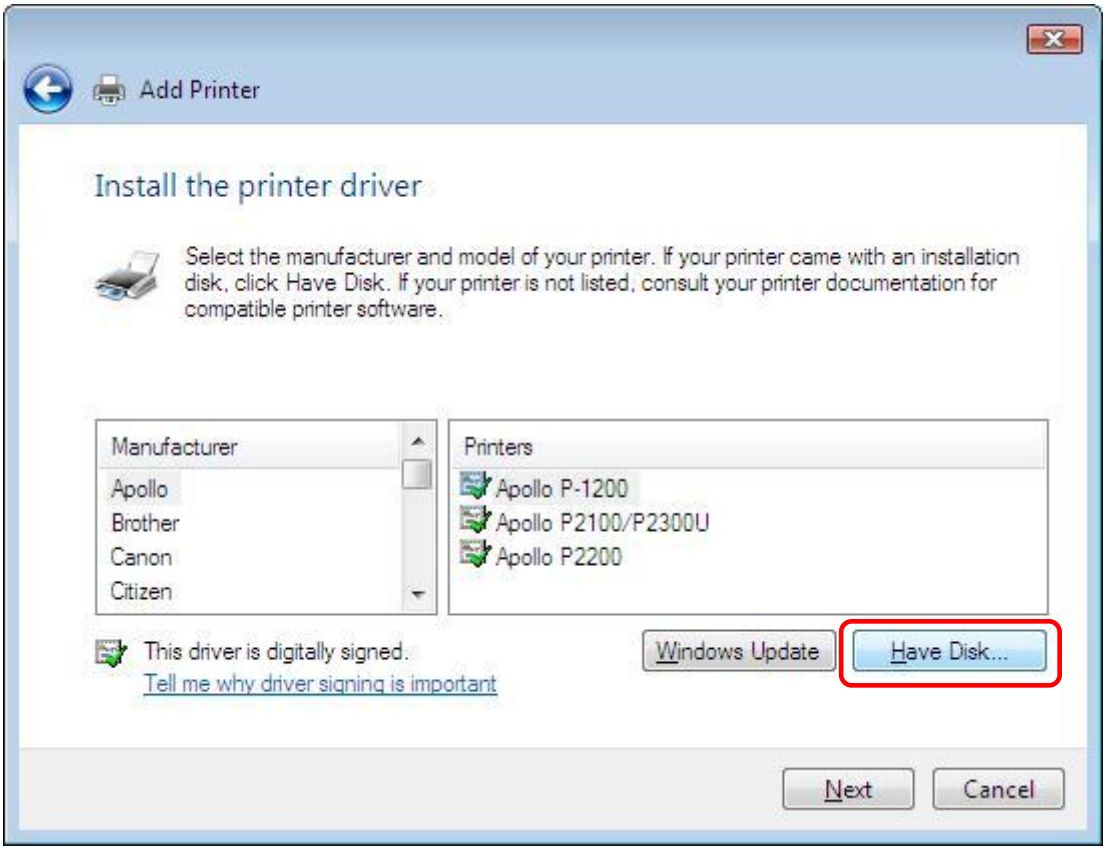


Fig 1.13 Install the printer driver window

When the “Install From Disk” window appears, use “Browse...” to designate the installation disk location, and click the “OK” button.

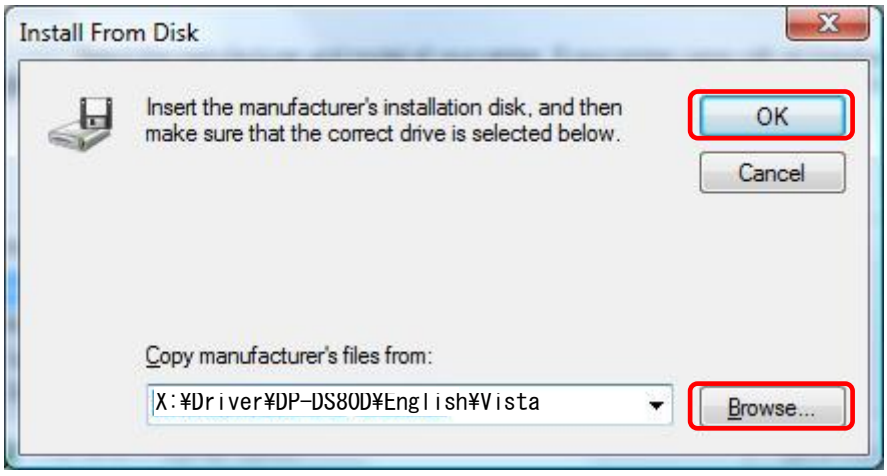


Fig 1.14 Install From Disk window

In the “Install the printer driver” window, check that “DP-DS80D” is displayed, and click the “Next” button.

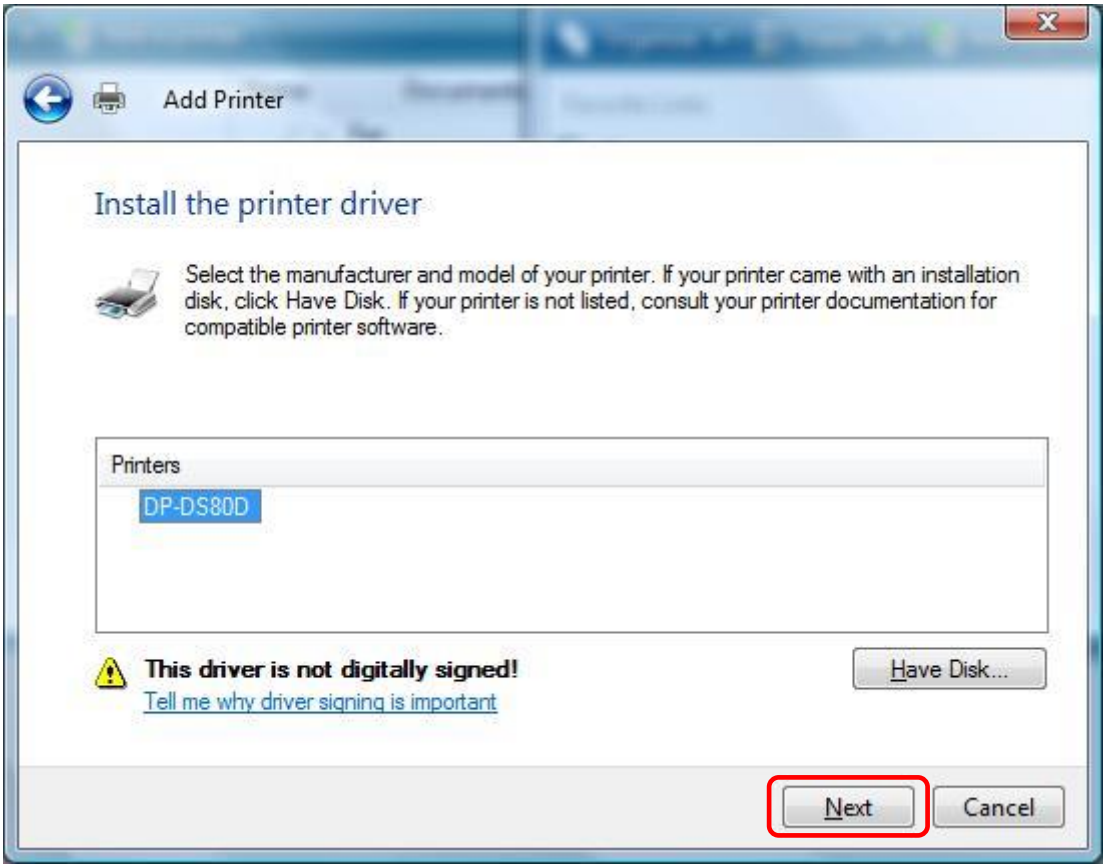


Fig 1.15 DP-DS80D Install the printer driver window

When the “Type a printer name” window appears, you can set the printer name. Also, to set it as the printer usually used, select the check box for “Set as the default printer”, and click the “Next” button.

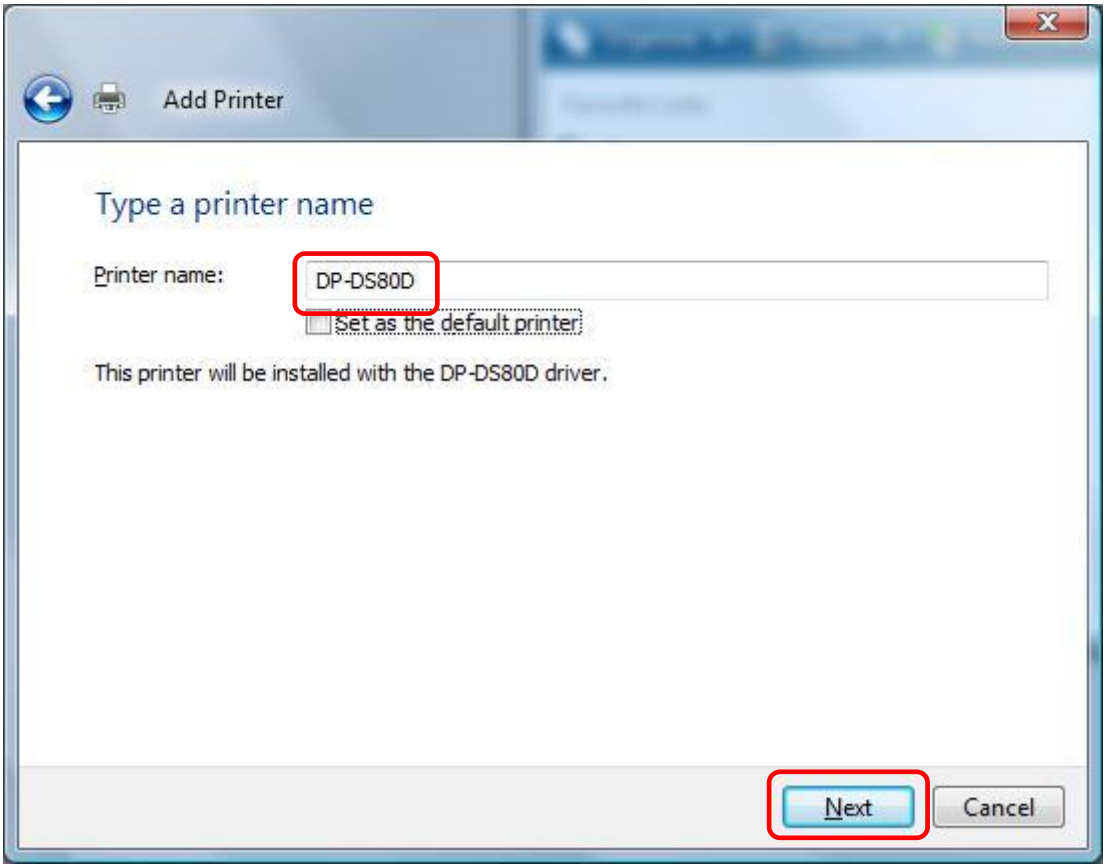


Fig 1.16 Type a printer name window

Note) Insallation will begin, but the User Account Control will request confirmation with the message "Install this driver software anyway". Click on "Continue".

When the Windows Security window appears, click on "Install this driver software anyway".

Fig 1.17 Windows Security confirmation

When the message "The software for this device has been successfully installed", click on "Close".

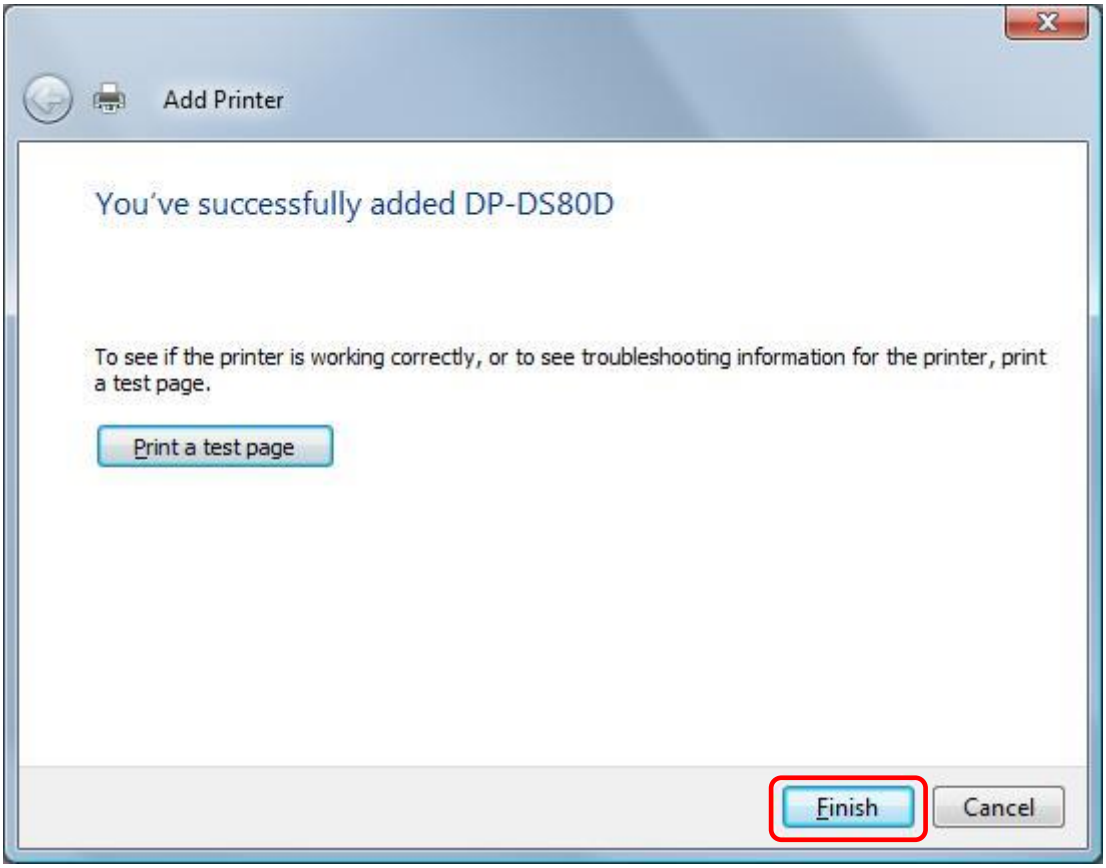


Fig 1.18 DP-DS80D driver has been successfully installed

Check that the DP-DS80D is shown in the Printer window.
Now, installation of the DP-DS80D printer driver is complete.

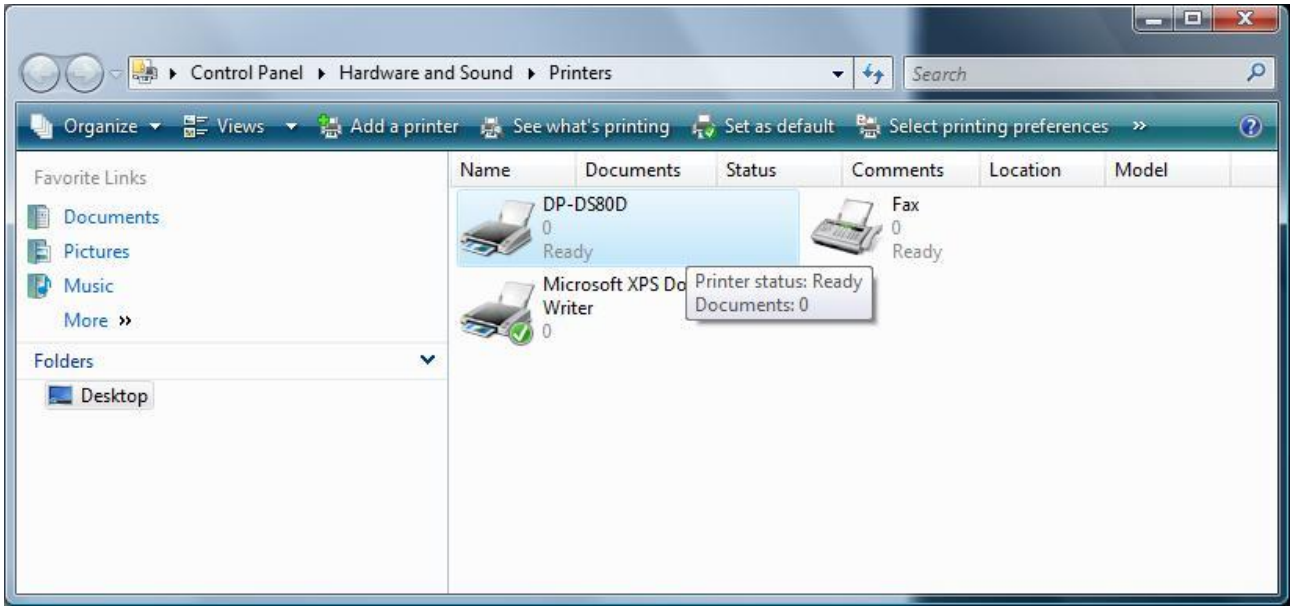


Fig 1.19 Printer window

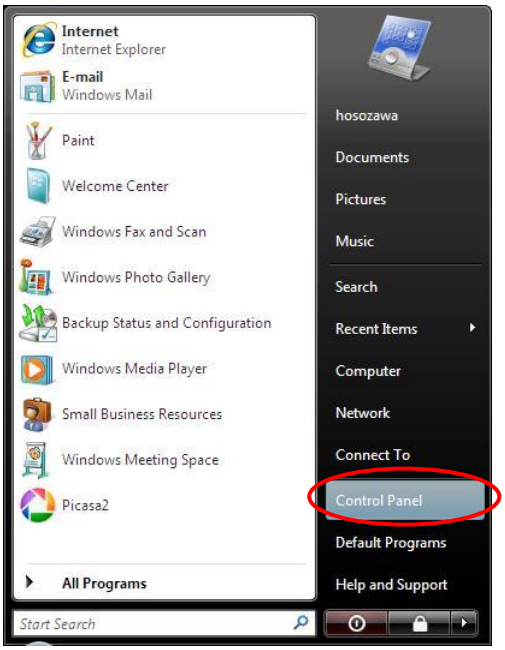
After installation of the printer-driver is complete, be sure to reboot the computer.

Chapter 2 Properties

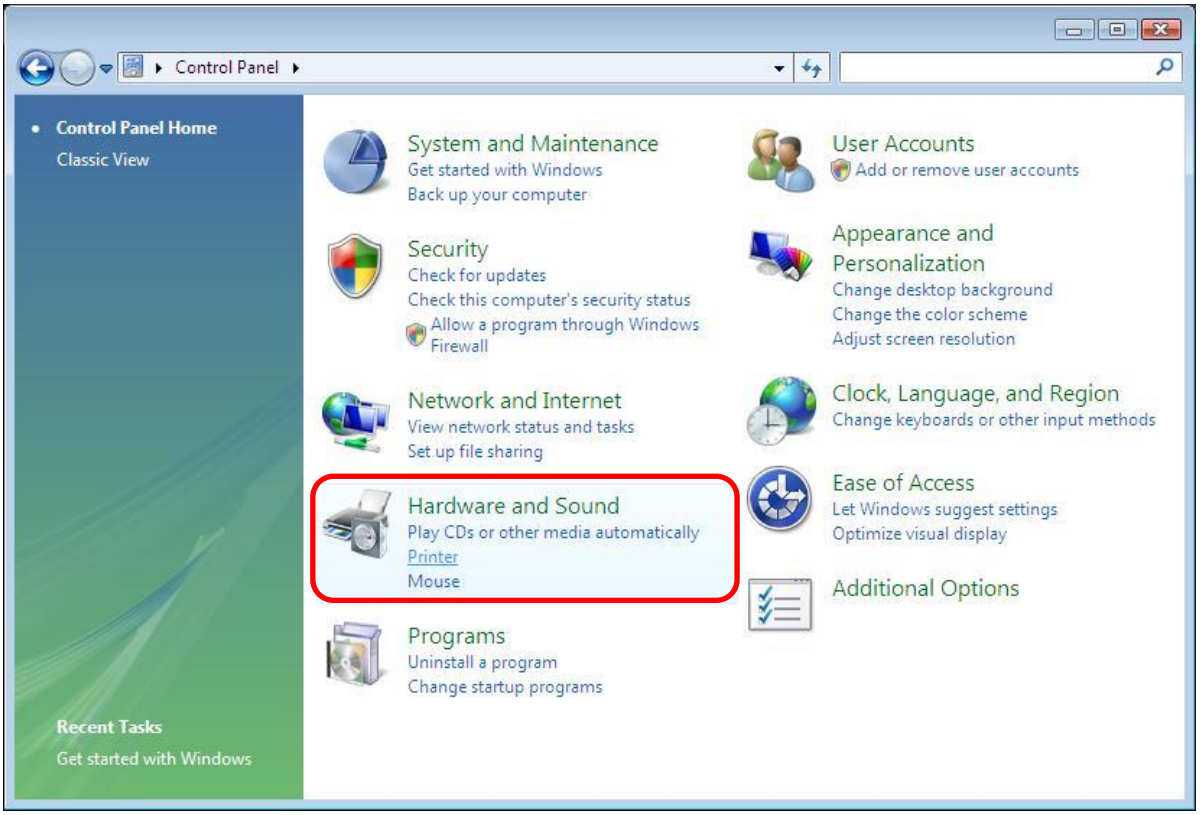
Various printer settings can be made using the DP-DS80D Driver properties. Before operation, be sure to have a good understanding of the contents. Login by administrator authority is required for operation. Depending on application of the use, operation from print setting of the application is necessary.

2.1 Opening Printer Properties

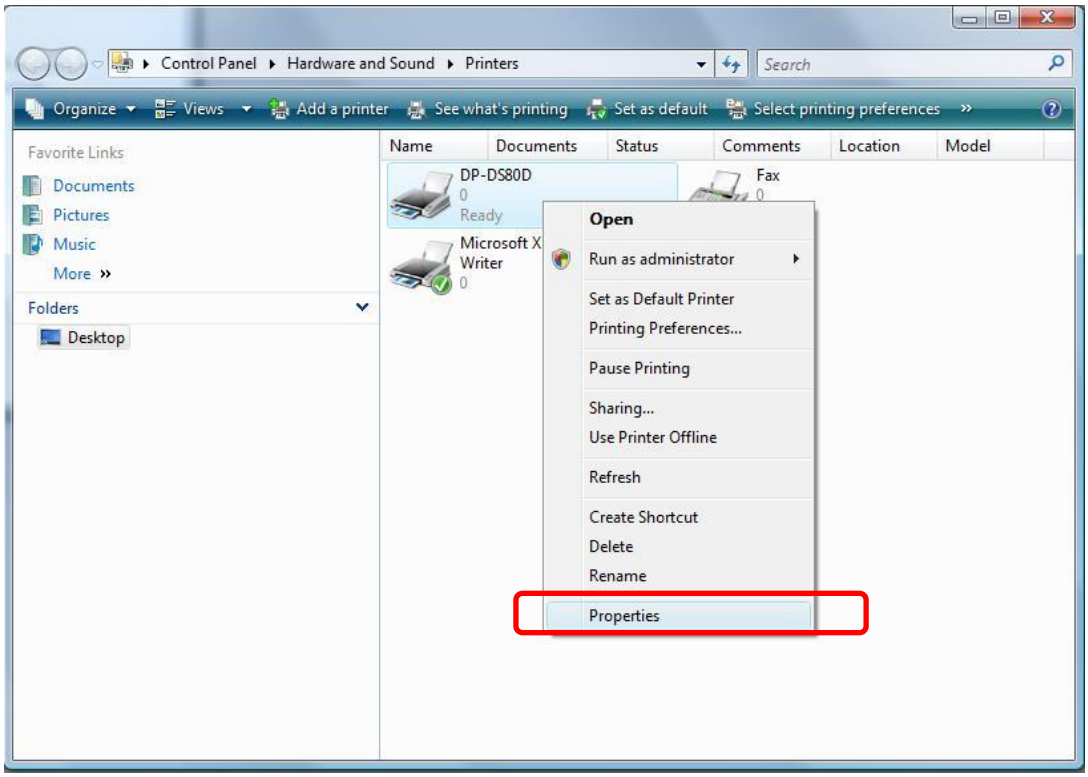
1. Click Start ⇒ Control Panel ⇒ open the control panel



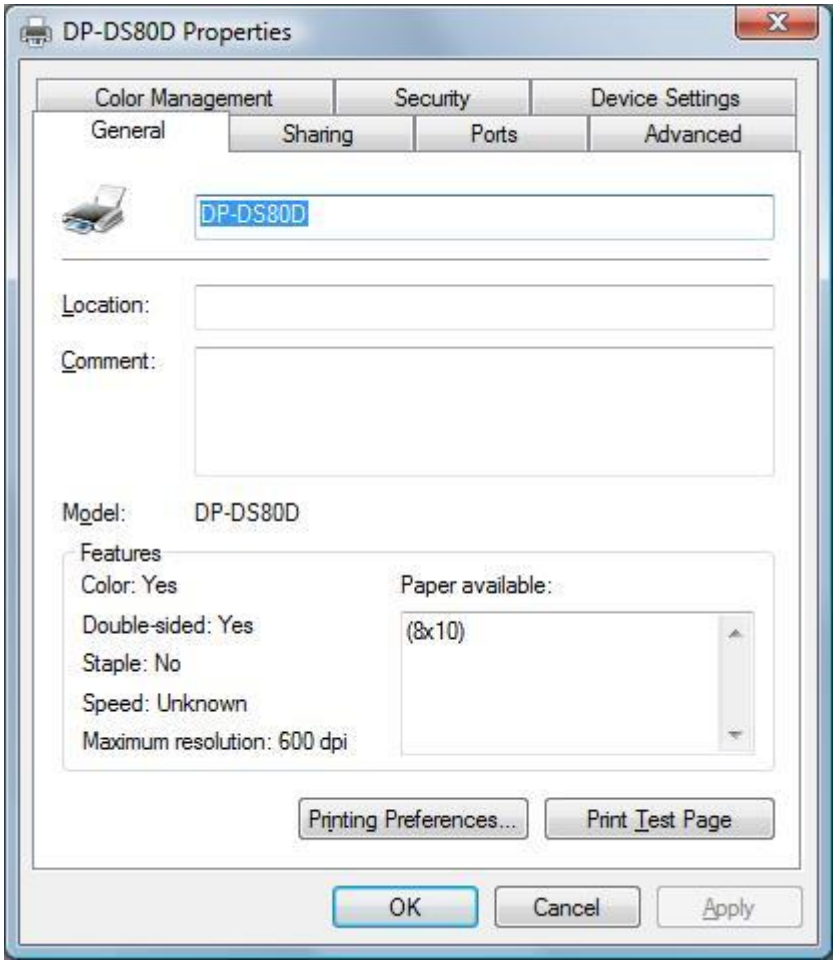
2. In the control panel, select Printer⇒open the Printer window



3. Right-click on the DP-DS80D icon, and from the pull-down menu select Properties ⇒ open the Properties window



4. The DP-DS80D Properties window will appear.



2.2 Explanation of Print Setting Functions

From the Properties window, by selecting Print Settings you can make various print settings.

2.2.1 Layout

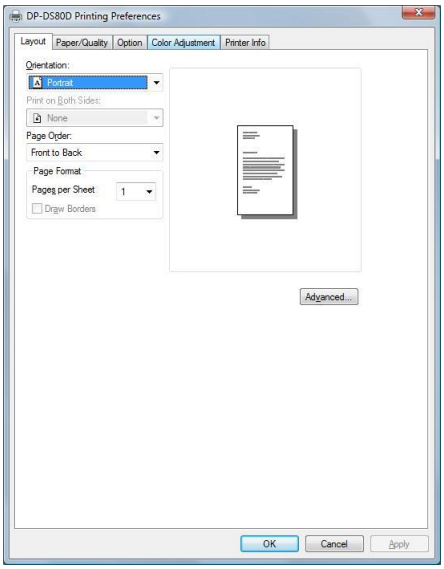


Fig 2.2.1 Layout tab

Print Orientation

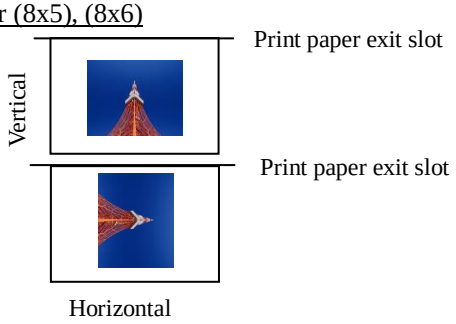
Assign print orientation as vertical or horizontal.

Output images of the original image without rotation are shown at the right.

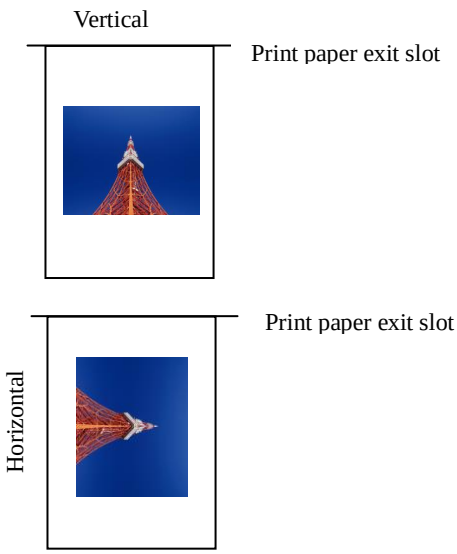
Original image orientation

Output image depending on print direction

Ex.) For (8x5), (8x6)



For (8x10), (8x12)



Duplex Printing

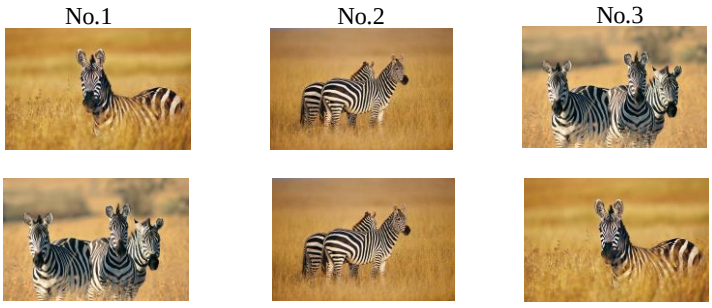
This designates whether the duplex printing is long-edge or short-edge orientation, or is Off. If cut paper (tray) is selected in the Paper Supply Method tab in "2.2.3 Paper/Quality", long-edge/short-edge orientation duplex printing can be selected.

Long-edge Duplex printing is carried out on the long-edge orientation.
Short-edge Duplex printing is carried out on the short-edge orientation.

Page Order

When printing multiple images in the application, you can set the order.

Ex.) Print order

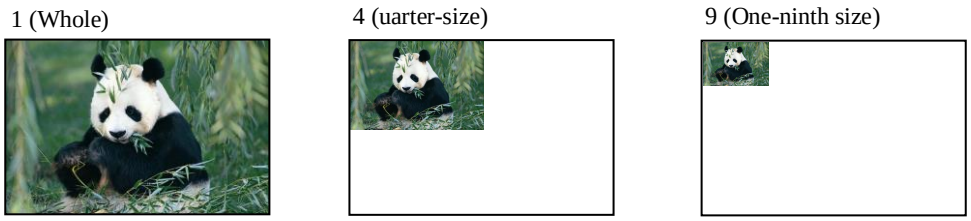


Pages Per Sheet

Prints the designated fractional size. In most situations, set "1".

（When set to 1 except, please use by the print quality setting to 300x300dpi or 600x600dpi.）

Ex.) Fractional size



2.2.2 Advanced Options

By selecting [Advanced Settings] in the Layout window, various settings can be made using Advanced Options.

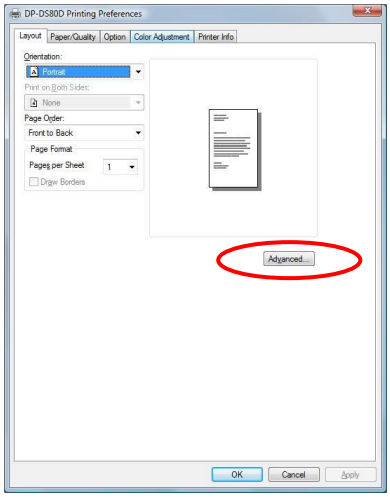


Fig 2.2.2.1 Advanced Settings

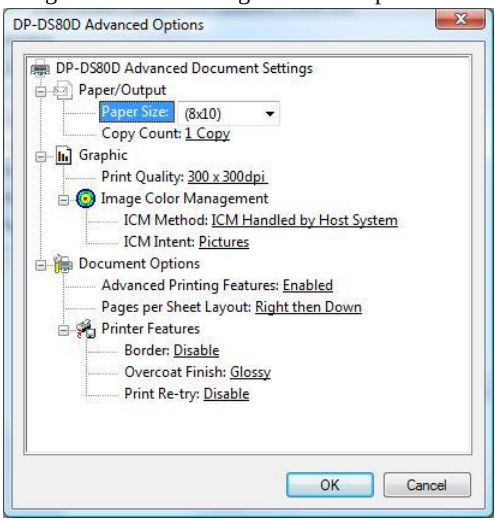


Fig 2.2.2.2 Advanced Options tab

Paper Size

You can designate the paper size. Please match the paper size to the media size with which the printer is equipped

With the DP-DS80D, the paper sizes that can be designated with the roll paper / cut paper (tray) selection in "2.2.3 Paper/Quality" differ as shown in the table below.

○ : Can be selected

Paper Size	Roll paper	Cut paper
(5x3.5)	○	
(5x7)	○	
(6x4)	○	
(6x4)x2	○	
(6x8)	○	
(6x9)	○	
(8x10)	○	○
(8x12)	○	○
(8x4)	○	○
(8x4)x2	○	○
(8x4)x3	○	○
(8x5)	○	○
(8x5)x2	○	○
(8x5)_(8x4)	○	
(8x6)	○	○
(8x6)x2	○	○
(8x6)_(8x4)	○	
(8x6)_(8x5)	○	
(8x8)	○	○
(8x8)_(8x4)	○	
A4Length	○	
(8x10.50)		○
(8x10.75)		○

Copy Count

You can designate the number of times an image will be printed.

Print Quality

You can designate the print quality. Please match the print quality to the printer settings.

Print Quality	Function
300 x 300dpi	Printing in the high-speed mode
300 x 600dpi	Printing in the high-quality mode * If the application can not set an asymmetric aspect resolution, please set the 600x600dpi.
600 x 600dpi	Printing in the high-quality mode (Printer driver converts to 300x600dpi data, and sends it to the printer.)

ICM Method

ICM Method	Function
ICM Disabled	2.2.4 Synchronous with "Color Management: None" in paper option.
ICM Handled by Host System	2.2.4 Synchronous with "Color Management: ICM" in paper option. Performs color management with the driver.
ICM Handled by Printer	This is the same as setting "ICM Handled by Host System".

ICM Intent

This designates the rendering method when using ICM. Always have the ICC profile for the DP-DS80D set to "Picture". Please do not use it at other settings.

Advanced Printing Features

Always have it set to "Enabled". Please do not use it at other settings.

Border

Synchronous with the border option in the paper option.

Overcoat Finish

The overcoat finish for the printed surface can be selected from the following two types.

Overcoat Finish	Function
Glossy	This finishes the print with a glossy surface.
Matte	This finishes the print with a matte (non-glossy) surface.

Print Re-try

Depending on the version being used, "Disable" may be the only option

This sets up whether print data in a printer buffer when the error of a printer occurs is printed after error recovery, or it does not print.

Print Re-try	Function
Disable	Printing data in a printer buffer is cleared in the case of a printer error. After an error recovery, the cleared image data must be re-sent. When using an application that has an error recovery function, select this option.
Enable	Printing data in a printer buffer is held in the case of a printer error. After an error recovery, the print process resumes with the saved data. However, if the power is turned OFF, the data will not be saved.

Change the printer of the version corresponding to Print Re-try and a non-corresponded version, and when you use it by connecting it to the same USB port, when you change printers, reboot the computer.

According to the contents of a printer error, the power supply of a printer needs to be re-switched on for error recovery. In this case, it is not dependent on a setup of Print Re-try, and printing data in a printer buffer is cleared. Operation by Print Re-try setup in each error is shown below.

Error Re-try Function for Duplex Printing

<table>
<tr><th>Contents of the error</th><th colspan="2">Print Re-try setting is “Disable”</th><th colspan="2">Print Re-try setting is “Enable”</th></tr>
<tr><th>Side the Error Occurs On</th><th>Front</th><th>Back</th><th>Front</th><th>Back</th></tr>
<tr><td>Paper End</td><td rowspan="8">Please resend picture data not printed after error recovery.</td><td>-</td><td rowspan="2">Printing processing is resumed from the data currently held in the printer buffer after error recovery.
When paper initializa-tion operation is run, it is printed after the paper initialization operation.</td><td>-</td></tr>
<tr><td>Ribbon End</td><td>Regardless of Print Re-try settings, once the error is resolved, printing processing is resumed from data currently held in the printer buffer.</td><td>Regardless of Print Re-try settings, once the error is resolved, printing processing is resumed from data currently held in the printer buffer.</td></tr>
<tr><td>Cover Open
Paper Jam (*1)
Ribbon Error (*1)
Paper Definition Error
Scrap Box Error</td><td>After the error is resolved, resend the print data including the front image.</td><td colspan="2">If the error occurs on the back side, printing of the back will continue after the error is resolved.
In cases where media trouble prevents the delivery of normal prints, such as paper jam, resend the image data for both sides of the print.</td></tr>
<tr><td>Data Error
Head Voltage Error
Head Position Error
Power Supply Fan Stop
Cutter Error
Abnormal Head Temp.
Abnormal Media Temp.
Ribbon Tension Error
RFID Module Error
Abnormal motor Temp.
System Error</td><td>Error recovery requires that the power supply of the printer needs to be turned OFF.
Therefore, print data in the printer buffer is cleared regardless of the setup of the Print Re-try function.

Please resend the picture data not printed after the printer is rebooted.</td><td>Because resolution of the error requires the printer to be turned OFF, the image data in the buffer will be cleared regardless of Print Re-try settings.

Also, even though the front side is finished, it will be aborted, so after the printer is rebooted, resend the image data for both sides of the print.</td><td>Error recovery requires that the power supply of the printer needs to be turned OFF.
Therefore, print data in the printer buffer is cleared even if the Print Re-try function is set to "Enable".

Please resend the picture data not printed after the printer is rebooted.</td><td>Because resolution of the error requires the printer to be turned OFF, even if Print Re-try is enabled, the turning OFF of the printer will clear the data from the buffer.
Also, even though the front side is finished, it will be aborted, so after the printer is rebooted, resend the image data for both sides of the print.</td></tr>
</table>

*1: After an error stop, a paper or a ribbon should perform removal work of an error factor according to a printer user's manual.

2.2.3 Paper/Quality

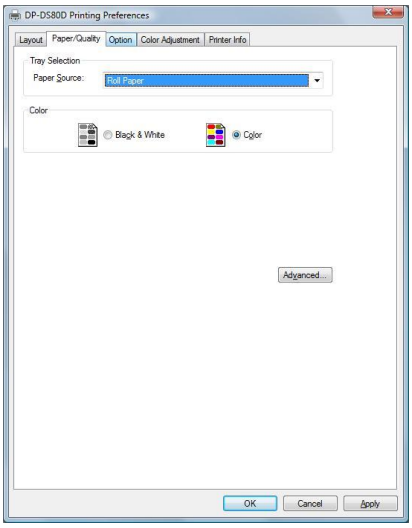


Fig 2.2.3 Paper/Quality tab

Paper Source

Either Roll paper or Cut paper (tray) can be selected. Duplex printing can only be done when Cut paper (tray) is selected. If a paper size valid for only either Roll paper or Cut paper (tray) is selected in the paper size setting in "2.2.2 Advanced Options", then the Paper Supply Method setting will be disabled.

Color Please set to color print. Do not use for black and white printing.

2.2.4 Options

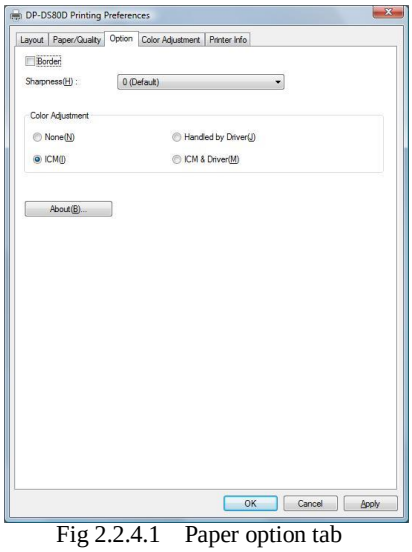


Fig 2.2.4.1 Paper option tab

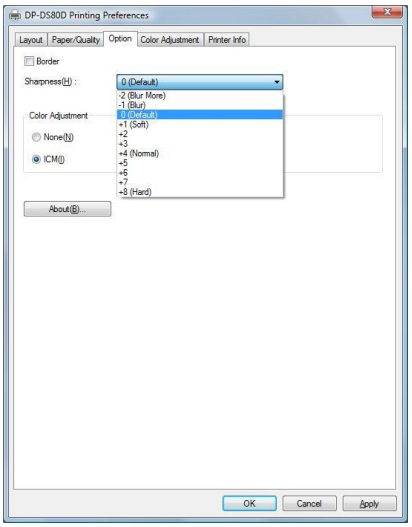


Fig 2.2.4.2 Sharpness setting

Border

Designates yes or no for border (check means with border). Synchronous with border in the Advanced Settings.

Sharpness

Processes for 11 sharpness levels (Dia. 2). 0(Initial setting) means there is no sharpness processing. Minus(-) blurs the image, and plus(+) increases the sharpness.

Color Adjustment

None

Synchronous with the ICM Method in the Advanced Settings. Checking this item disables ICM and the Color Adjustment tab, and color management does not occur from the driver.

Handled by Driver

Checking this item disables ICM and 2.2.5 Color Adjustment is enabled. The adjustment values for gamma, brightness, contrast, and chroma are shown.

ICM

Synchronous with the ICM Method in the Advanced Settings (ICM Handled by Host System). Checking this item enables color management from the driver.

ICM & Driver

If you check this , ICM (color management) and color adjustment will be enabled.

About

Displays the driver version.

2.2.5 Color Adjustment

If you check Handled by Driver in 2.2.4 Options, the respective color adjustment values in the Color Adjustment tab are reflected in the image.

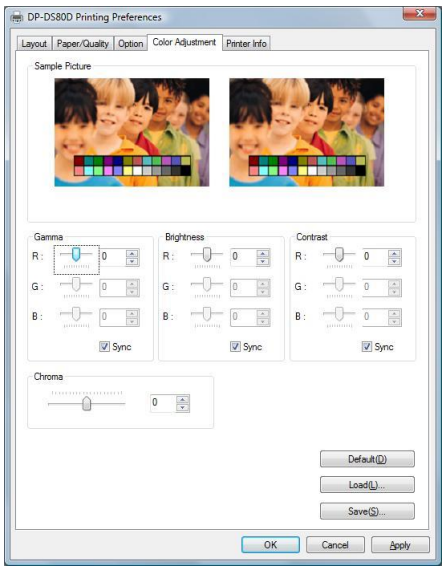


Fig 2.2.5 Color Adjustment tab

Setting ranges in the Color Adjustment tab are as follows:

Adjustment Item	Adjustment Value
Gamma	-100(dark) ~ 100(light) (0 means no adjustment, Gamma 2.0 ~ 0.5) Adjusts the density of the highlights in the image. The greater the gamma value, the brighter the highlights. Synchronous check box ON **:** Sets RGB at the same value OFF**:**Sets RGB at a different value
Brightness	-100(dark) ~ 100(light) (0 means no adjustment) Adjusts the brightness of the image. The larger the value, the greater the overall brightness of the image. Synchronous check box ON **:**Sets RGB at the same value OFF**:**Sets RGB at a different value
Contrast	-100(weak) ~ 100(strong) (0 means no adjustment) Adjusts the contrast of the image. The larger the value, the greater the contrast. Synchronous check box ON **:** Sets RGB at the same value OFF**:** Sets RGB at a different value
Chroma	-100(weak) ~ 100(strong) (0 means no adjustment) Adjusts the color saturation of the image.

2.2.6 Printer Information

When the Printer Information tab is opened, the printer status can be checked.

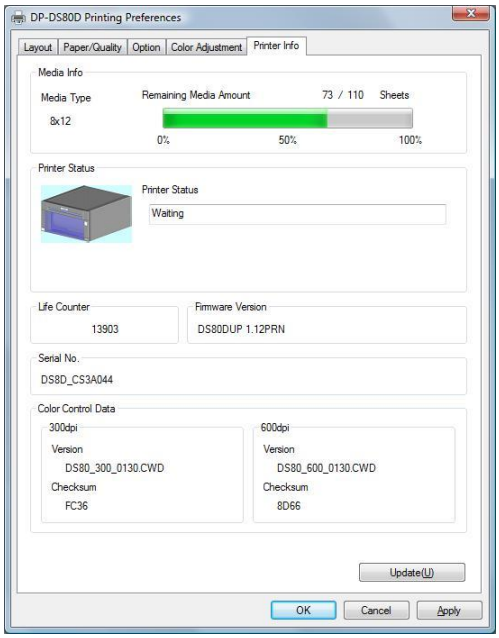


Fig 2.2.6 Printer Information tab

Display	Contents
Media Type	This displays the type of ribbon that is set in the printer.
Media Quantity	This displays the quantity of sheets remaining on the ribbon.
Printer Status	This displays the printer status. Information displayed is as below:
Life Counter	This displays the life counter of printer.
Firmware Version	This displays the firmware version of printer.
Serial No.	This displays the serial number of printer.
Color Control Data	This displays the color control data version and checksum.

Printer Status	**Recovery Method**
Off-line	Connect the printer to the computer, and turn the power ON.
Wating	
Printing	
Head Cooling	Please wait. Printing will restart automatically.
Door Open	Close the printer door.
Paper End	Set new paper media.
Ribbon End	Set new ribbon media.
Paper Jam	Remove the jammed paper and rest it correctly.
Ribbon Error	Reset the ribbon correctly.
Paper Size Setting Error	Check the paper size setting and the ribbon size.
System Error	Reboot the printer and computer. If it doesn't recover after rebooting, contact the service center.
Unit Paper Jam Supply area	Reboot the printer. The paper will be ejected automatically. Please refer to the Duplex Unit User's Manual for details
Unit Paper Jam Feed area	
Unit Paper Jam Shell area	
Unit Paper Jam Delivery area	
Unit Tray Out	Set the cut paper tray.
Unit Cover Open	Close the unit cover.
Unit Hardware Error	Reboot the printer and computer. If it doesn't recover after rebooting, contact the service center.

2.3 Default Values for Various Settings

Default values for each option (at the time of installation) are shown below. If the printer driver does not work correctly after changing the options, please return the options to the default settings.
Note) According to the Service Pack and use environment of OS, the default value at the time of installation may differ from the following chart.

Tab	Options			Default
Layout	Orientation			Portrait
	Print on Both Sides			None
	Page Order			Front to Back
	Pages Per Sheet			1
Paper/Quality	Paper Source			Roll Paper
	Color			Color
Option	Border			Disable
	Sharpness			0 (Default)
	Color Adjustment			ICM
Color Adjustment	Gamma			0
	Brightness			0
	Contrast			0
	Chroma			0
Advanced (Click [Advanced] button of Layout tab)	Paper/Output	Paper Size		8x10
		Copy Count		1
	Graphic	Print Quality		300 x 300dpi
		Image Color Management	ICM Method	ICM Handled by Host System
			ICM Intent	Pictures
	Document Option	Advanced Printing Features		Enable
		Pages pre Sheet Layout		Right then Down
		Printer Features	Border	Disable
			Overcoat Finish	Glossy
			Print Retry	Disable

Chart 2.3 Print Setting Default Values

2.4 Color Management

In [Color Management], this designates the color profile. Default at installation associates [DS80_xxxx].
xxxx is a 4-digit number that refers to the version.

Step 1. Select “Color Management” tab in “Printer Properties”, and click on “Color Management” button.

Step 2. Choose printer: DP-DS80D from a device.

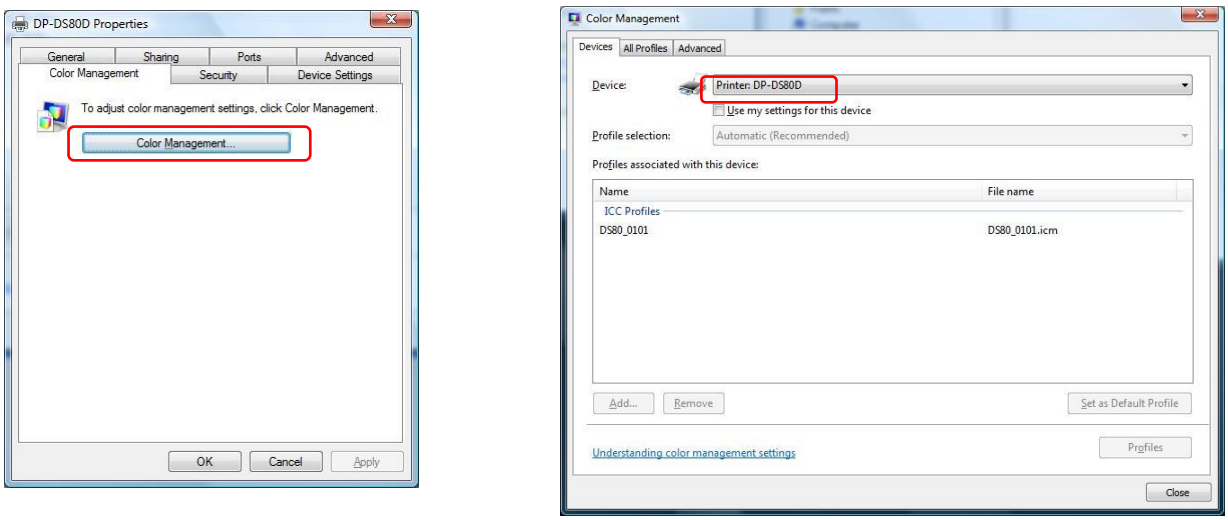


Fig 2.4 Color Management

2.5 Print Area

Depending on the paper size designated at the driver, the image size and dot count will be as follows.

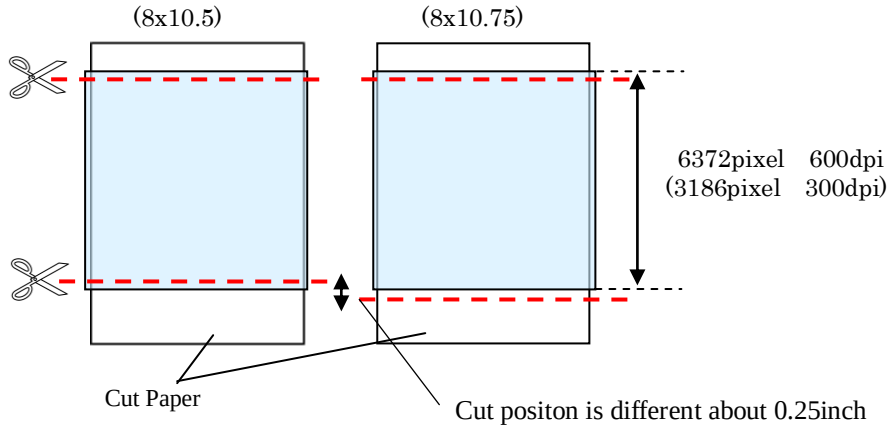
Model	Paper Size	Size (inch)	Print Area (mm)	300 x 300 DPI Dot amount	300 x 600 DPI Dot amount
DP-DS80D	(5x3.5) ※1	3.5"x 5"	92.1 x 131.1	1088 x 1548	2176 x 1548
	(6x4) ※1	4"x 6"	105.0 x 156.1	1240 x 1844	2480 x 1844
	(5x7) ※1	5"x 7"	131.1 x 181.0	1548 x 2138	1548 x 4276
	(6x8) ※1	6"x 8"	156.1 x 206.2	1844 x 2436	1844 x 4872
	(6x9) ※1	6"x 9"	156.1 x 232.0	1844 x 2740	1844 x 5480
	(8x4)	8"x 4"	207.3 x 104.6	2448 x 1236	2448 x 2472
	(8x5)	8"x 5"	207.3 x 130.0	2448 x 1536	2448 x 3072
	(8x6)	8"x 6"	207.3 x 155.4	2448 x 1836	2448 x 3672
	(8x8)	8"x 8"	207.3 x 206.0	2448 x 2436	2448 x 4872
	(8x10)	8"x 10"	207.3 x 257.0	2448 x 3036	2448 x 6072
	(8x10.50) ※2	8"x 10.5"	207.3 x 269.7	2448 x 3186	2448 x 6372
	(8x10.75) ※2	8"x 10.75"	207.3 x 269.7	2448 x 3186	2448 x 6372
	A4 Length ※1	8"x 11.7"	207.3 x 297.0	2448 x 3544	2448 x 7088
	(8x12)	8"x 12"	207.3 x 307.8	2448 x 3636	2448 x 7272

※1 Roll paper only

With the DP-DS80D printer, the paper size (output size) can be designated as less than 8 inches, but the media used will be the inch width media.

※2 Cut paper only

The image dot counts for (8x10.5) and (8x10.75) are the same.The image that is output differsasshown below.



2.6 Print Orientation

The relationship between application-created image and printed image(output orientation) by the driver settings(Layout orientation) is as followed table.
These are limited by that original image is not rotated by the apprication and enlarged or scale downed within the image size that is selected from 2.5 Image Size table.

◆The relationship between application-created image and printed image when performing simplex printing as affected by the driver settings.

Original Image	Driver setting				
	Orientation	Paper Size			
		(8x4)、(8x5)、(8x6)		(8x10)、(8x12)	
		Application-created image	Print (Feed dir.↓)	Application-created image	Print (Feed dir.↓)
	Portrait				
	Landscape				
	Portrait				
	Landscape				

When performing Duplex printing, the Driver setting (Paper Size, Print Direction, Duplex-printing Print Orientation) affects the relationship between the application-created image and the printer's printing (front / back print direction) as shown in the next page.

◆The relationship between application-created image and printed image when performing duplex printing as affected by the driver settings （ Binding direction）

Original Image			Driver Settings											
			Paper Size (8x4)、(8x5) ＜including multi-layout＞						Paper Size (8x10)、(8x10.5)、(8x10.75)、(8x12)					
Orien-tation	Front	Back	Print Dir.	Application-created image		Flip on	Print (Feed dir.↓)		Print Dir.	Application-created image		Flip on	Print (Feed dir.↓)	
				Front	Back		Front	Back		Front	Back		Front	Back
Port-rait			Vert.			Long edge			Vert.			Long edge		
						Short edge						Short edge		
			Horiz.			Long edge			Horiz.			Long edge		
						Short edge						Short edge		
Land-scape			Vert.			Long edge			Vert.			Long edge		
						Short edge						Short edge		
			Horiz.			Long edge			Horiz.			Long edge		
						Short edge						Short edge		

2.7 Print Method

2.7.1 Multi-layout

When the DP-DS80D is using 8x12, 8x10 size media, 2 or 3 image layout is possible.
With the printer driver paper setting, multi-image layout is made possible, and the image sizes are as follows.

Layout designation

	Driver paper setting (layout)	Image size（mm）	Remarks
Roll paper	(8x4) x 2	(207.3x104.6) x 2	
	(8x5) x 2	(207.3x130.0) x 2	
	(8x6) x 2	(207.3x155.4) x 2	
	(8x5) _ (8x4)	(207.3x130.0) x (207.3x104.6)	
	(8x6) _ (8x4)	(207.3x155.4) x (207.3x104.6)	
	(8x6) _ (8x5)	(207.3x155.4) x (207.3x130.0)	Media size 8x12 only
	(8x8) _ (8x4)	(207.3x206.2) x (207.3x104.6)	Media size 8x12 only
	(8x4) x 3	(207.3x104.6) x 3	Media size 8x12 only
Cut paper	(8x4) x 2	(207.3x104.6) x 2	
	(8x5) x 2	(207.3x130.0) x 2	
	(8x6) x 2	(207.3x155.4) x 2	Media size 8x12 only
	(8x4) x 3	(207.3x104.6) x 3	Media size 8x12 only

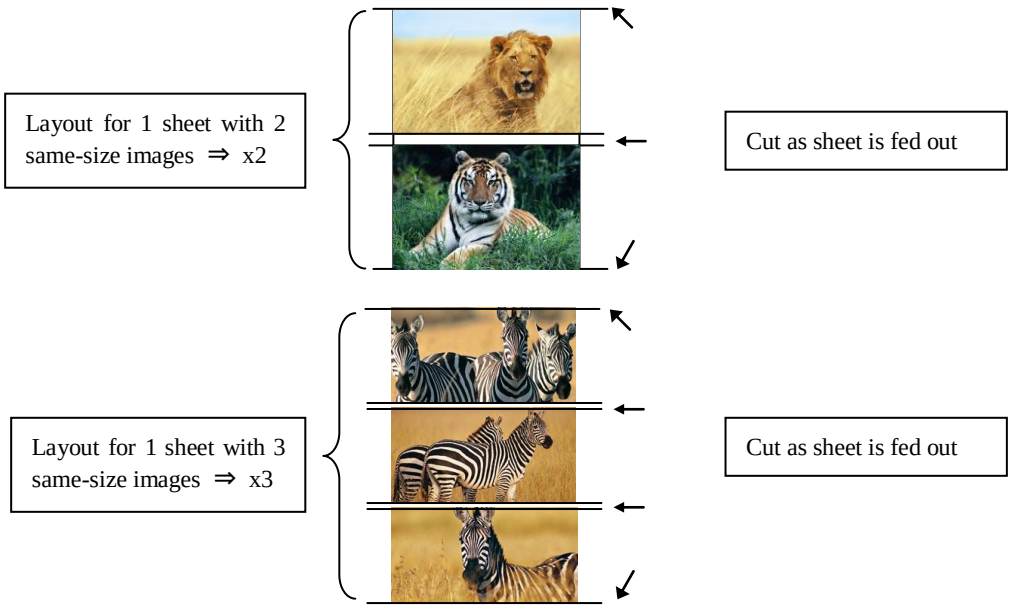
Multiple layout is possible under the following conditions.

1.The printer driver paper size is set to one of the above sizes.
2.Multiple images are sent from the application.

Note） Because the multi-image layout occurs on a per job basis, this works when there are multiple images for 1 job.If you want to print the same image, be sure to send the image data for each copy to be printed.The printer prints 2 or 3 images in one operation, and the paper is cut as it is fed out.

<Multi-image layout patterns>

The following combinations are possible for the multi-image layout patterns.



Layout for 1 sheet with 2 different-size images
(Roll Paper only)⇒ (8x6)_(8x4) etc.

Cut as sheet is fed out

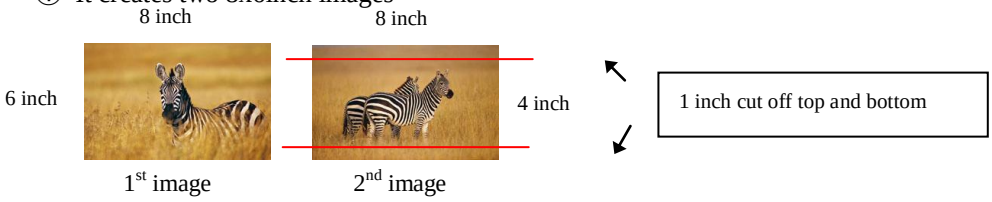
(When cut paper use, the image of 2 different- size on 1 sheet can not be assigned).

Cautions for printing 2 different-size images on one sheet

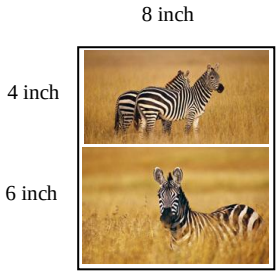
When printing 2 different-size images on 1 sheet, 1 inch will be cut off the top and bottom of the 2nd image when the image is being generated. When creating the original image, be aware of the following points.

Ex.) When the layout is set for (8x6)_(8x4)
The driver creates the layout image in the order of ①, ②.

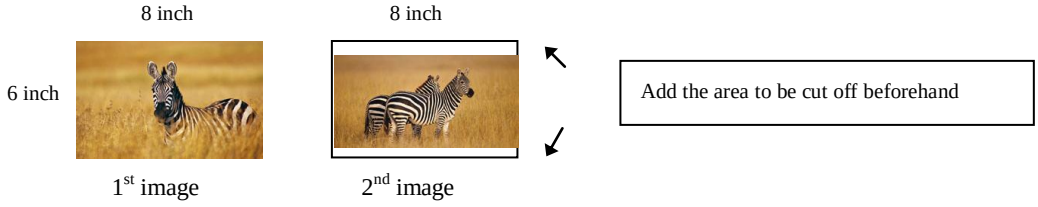
① It creates two 8x6inch images



② The driver then lays out the 2 different-size images from ① as one (8x10) image and outputs it to the printer.



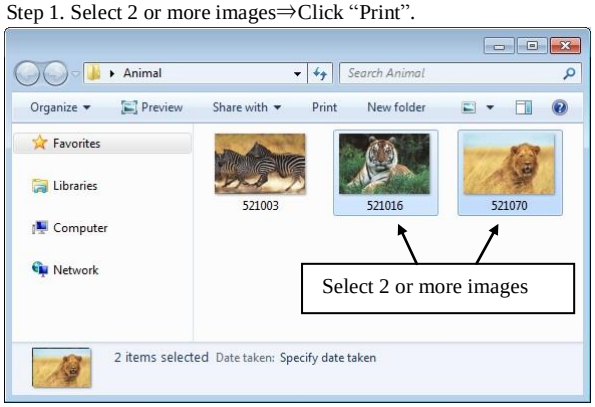
Ex.) Example of creating the original image.
When outputting the original image to the driver, the 1st and 2nd images are created as the same size, so factor in the space that will be cut off from the 2nd image.



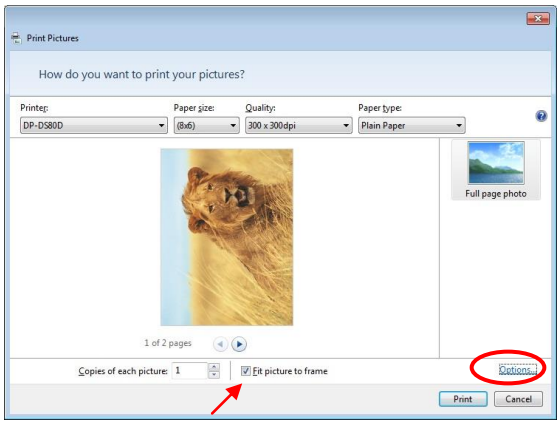
2.7.2 Example of Multi-layout application use

This is an example using Windows Explorer

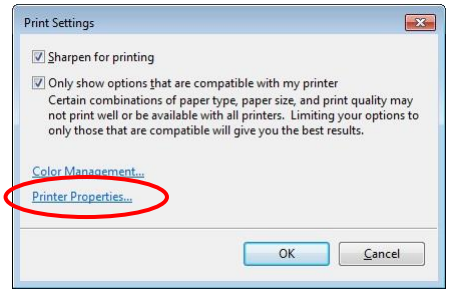
Step 1. Select 2 or more images⇒Click “Print”.



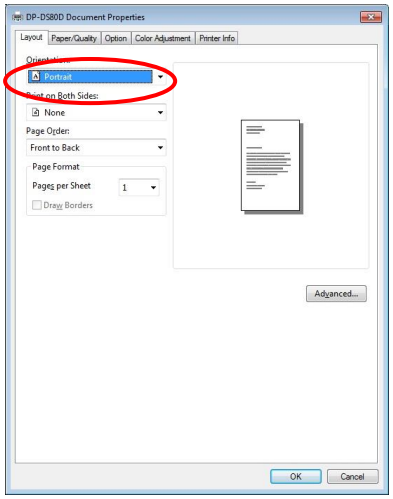
Step 2. Check “Fit picture to frame” and click “Options”.



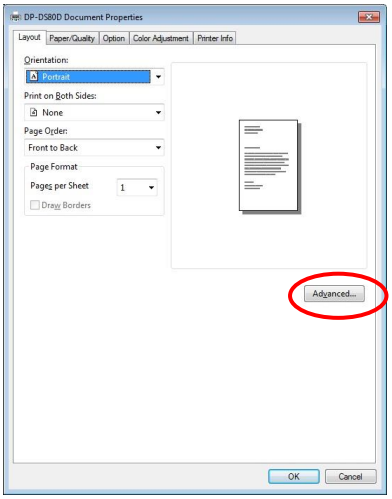
Step 3. Click on “Printer Properties”.



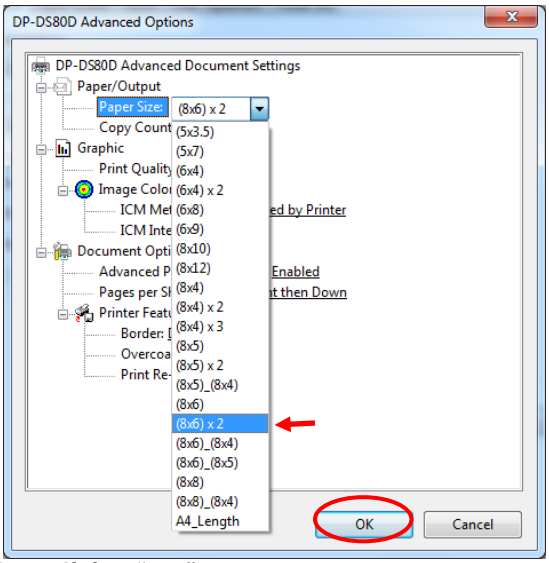
Step 4. From the “Orientation” pull-down menu, select “Portrait”.



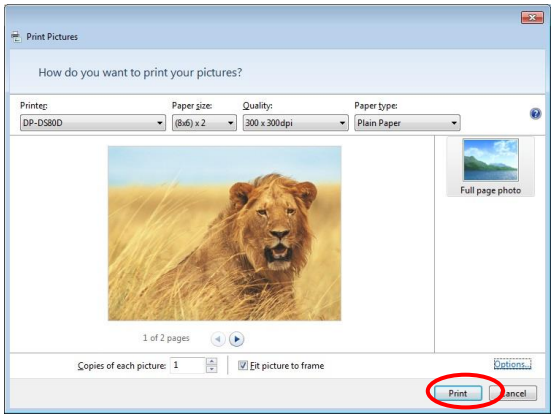
Step 5. Click on “Advanced”.



Step 6. Set the Paper Size to “(6x4)x2”. Then click “OK” on the windows from steps 6⇒5, returning to the window displayed in Step 2.



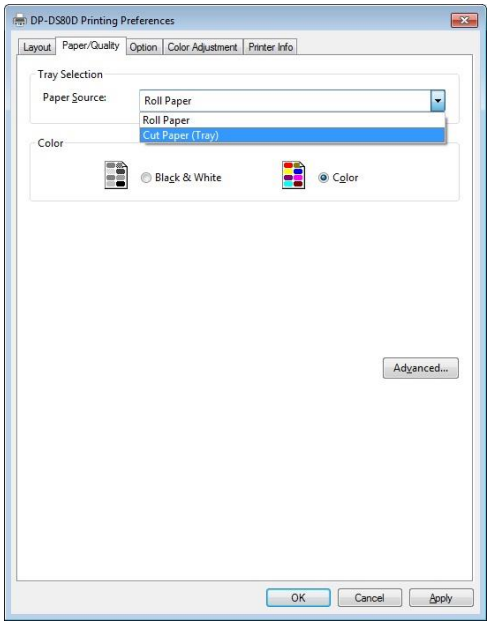
Step 7. Click on “Print”.



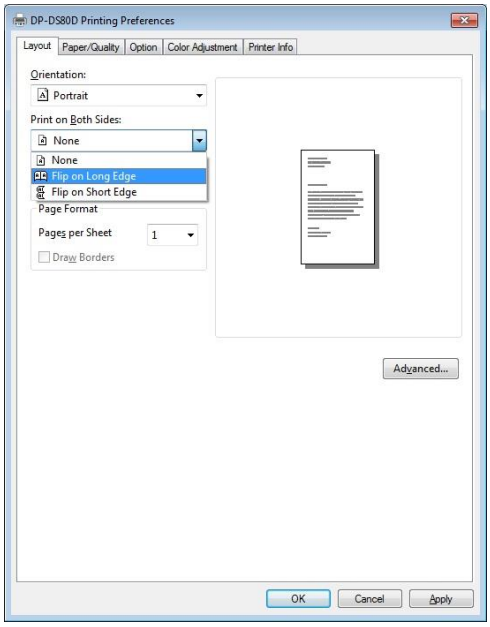
2.7.3 Duplex Printing

Duplex printing is possible on the DP-DS80D when cut paper is selected.
Duplex printing can be performed under the following conditions.

1. Select “Cut paper (tray)” in the Paper Supply Method on the “2.2.3 Paper/Quality” tab.



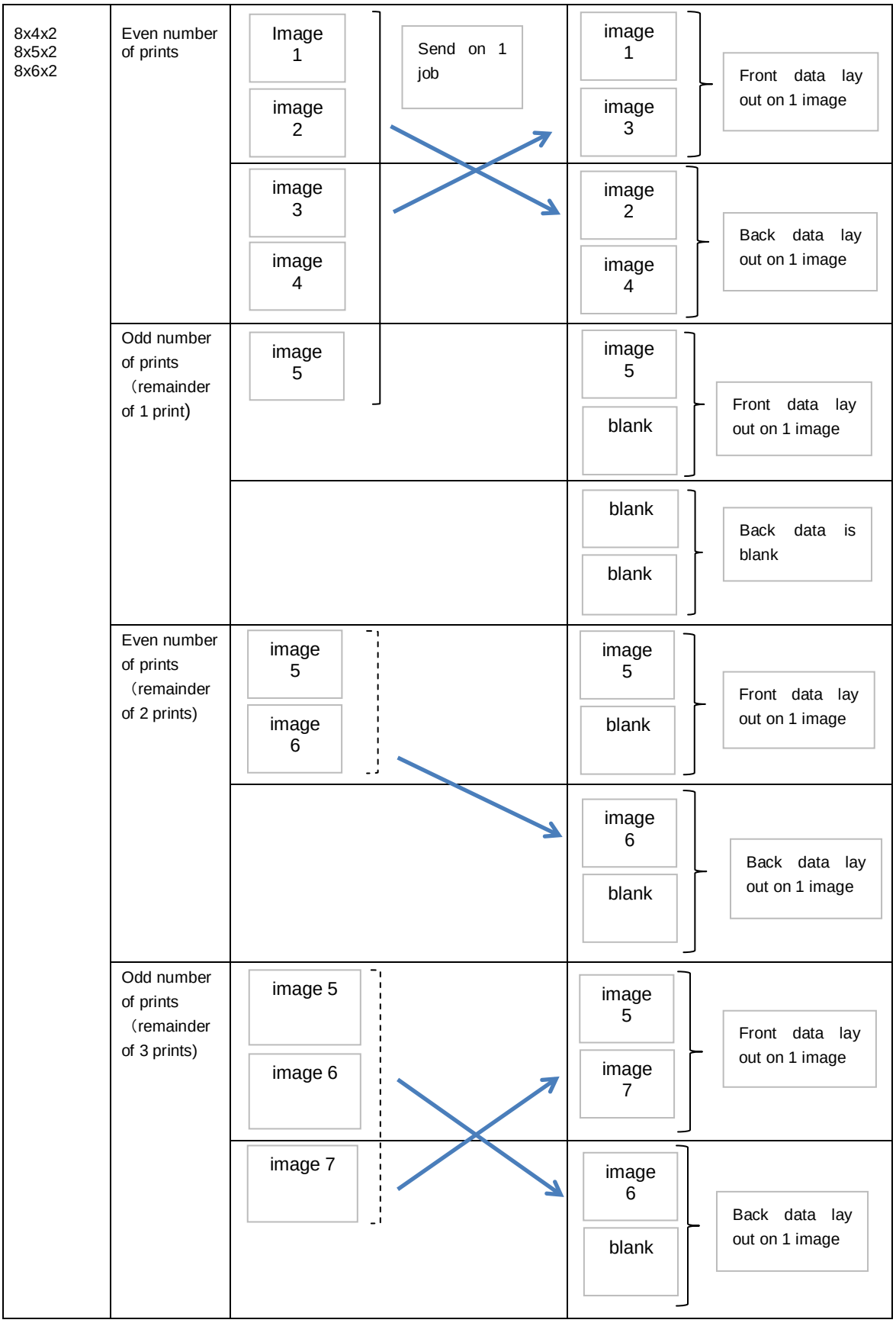
2. Select “Short-edge” or “Long-edge” orientation under Duplex Printing in the “2.2.1 Layout” tab.



Because Duplex printing is run on a job basis, it only works when there are 2 (front and back) or more images in a single job.
When there are an odd number of images in 1 job, the back of the final page will be output as a white image. The print method is the same as in “2.7.2 Example of Multi-lyout application use”.

Cautions for using Multi-layout in Duplex Printing

When using multi-layout in duplex printing, the images will be laid out as follows. If there is a remainder in transmitted images, the driver will insert empty data images into the layout. The printer will output the empty data as white images.



In cases as above wherethere is a remainder from 1 or 2 prints, if you don't want to output blank imagesfromthe printer, then you can use the application to change the multi-layout media size as shown below, and send the image data as a separate job.

<table>
<tr><td rowspan="2">8x4x2
8x5x2
8x6x2</td><td>Even number of prints</td><td>Image 1
Image 2
Send on 1 job

Image 3
Image 4</td><td>Image 1
Image 3
Front data lay out on 1 image

Image 2
Image 4
Back data lay out on 1 image</td></tr>
<tr><td rowspan="3">Paper size change

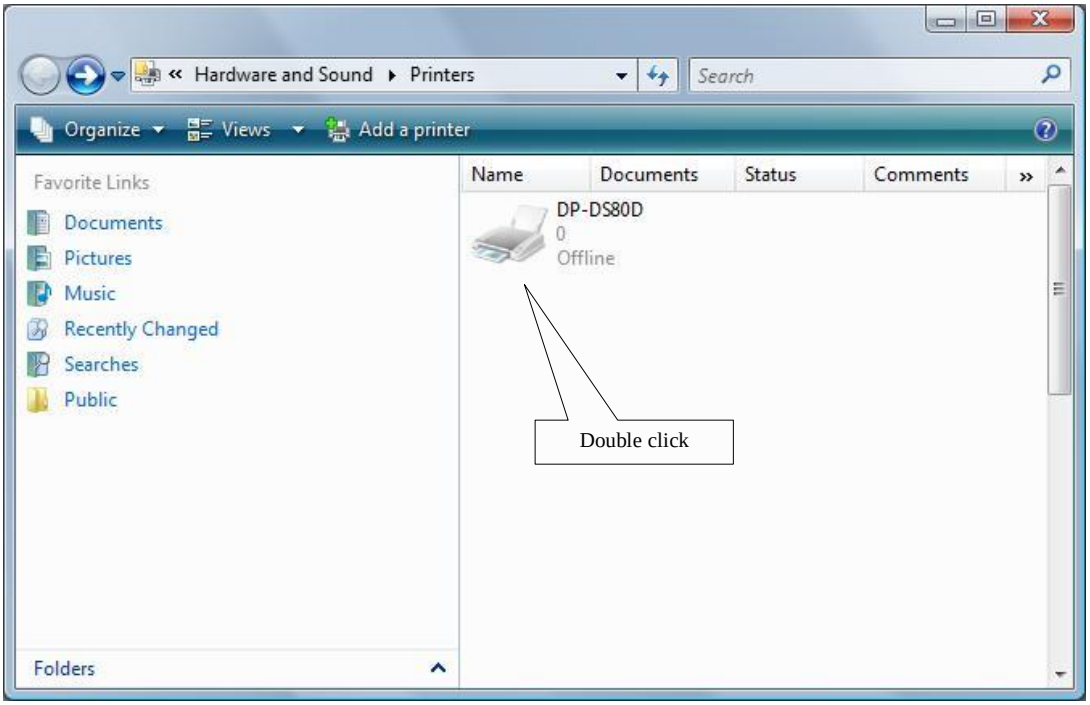
8x4
8x5
8x6</td><td>Odd number of prints （remainder of 1 print)</td><td>Image 5
Send on other job</td><td>Image 5
Front data lay out on 1 image
blank
Back data is blank</td></tr>
<tr><td>Even number of prints （remainder of 2 prints)</td><td>Image 5
Image 6
Send on other job</td><td>Image 5
Front data lay out on 1 image
Image 6
Back data lay out on 1 image</td></tr>
</table>

Chapter 3 Updating the Driver

In order to update the printer-driver, follow the steps shown below.

1. Driver Removal

(1) Before removing the printer-driver, shut down all other applications. Also, double click the icon for the printer to be removed, and make sure there are no documents in the queue before you begin removal of the driver.



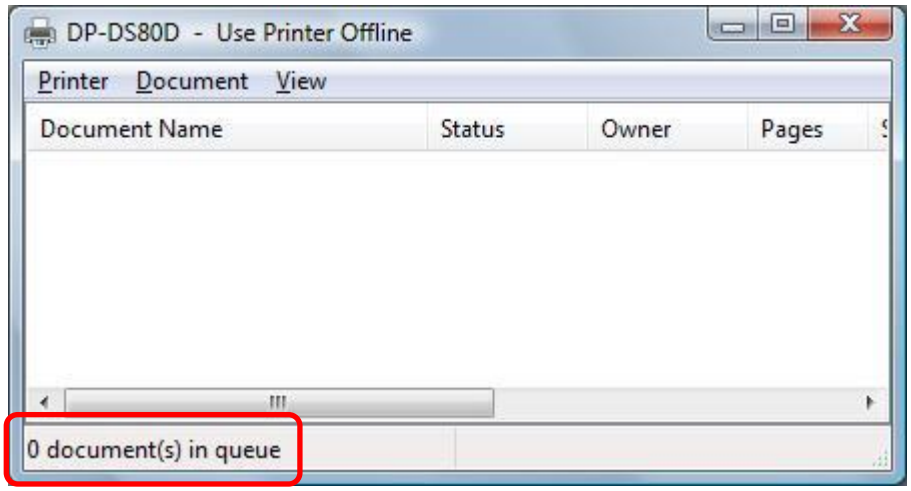


Fig 3.1.1 Confirmed that there are no document in the queue

(2) Select “Start”–“Control Panel”, and click on “Printer” in the control panel. From the “Printer” window, select the DP-DS80D printer, display the pull-down menu with the right click, and click on “Delete”.

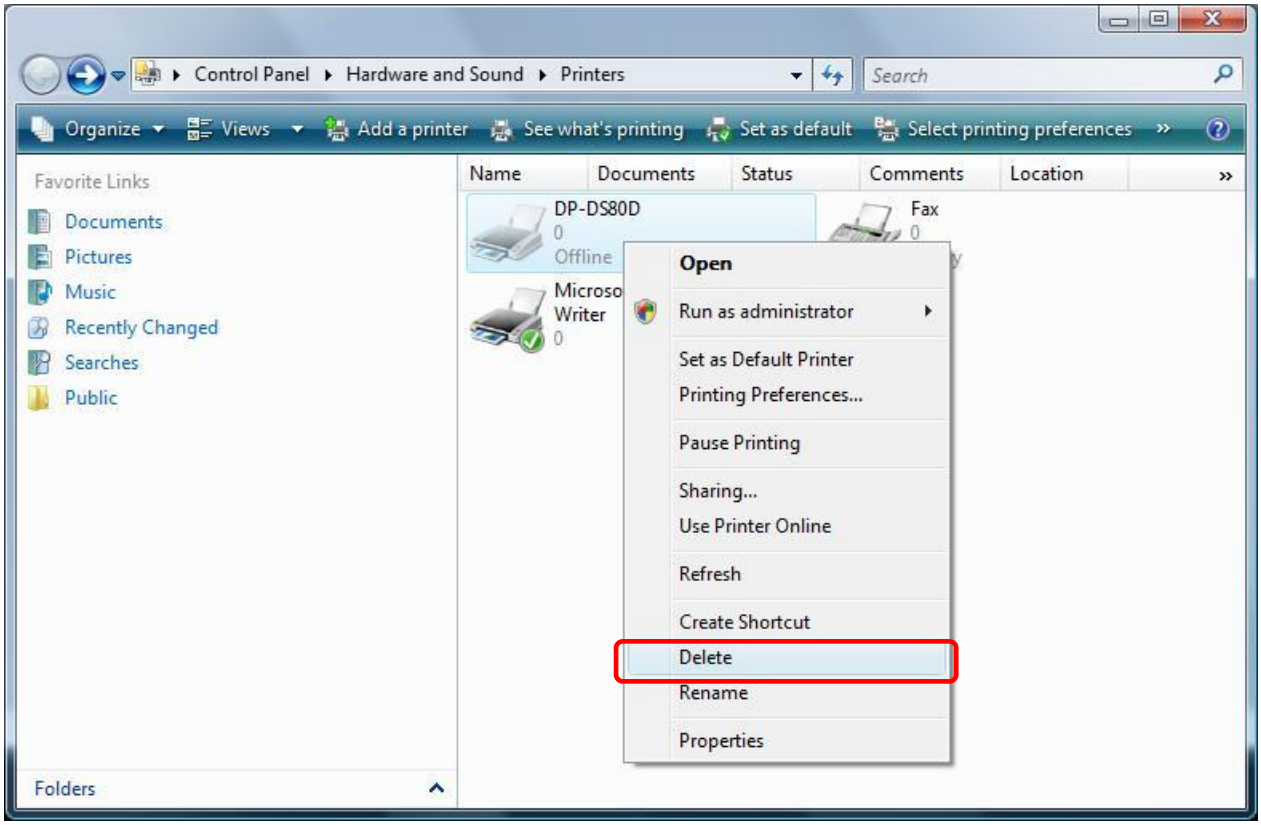


Fig 3.1.2 Printer window; DP-DS80D right-clicked menu

When “Are you sure you want to delete the printer `DP-DS80D`?” appears, click on “Yes”.

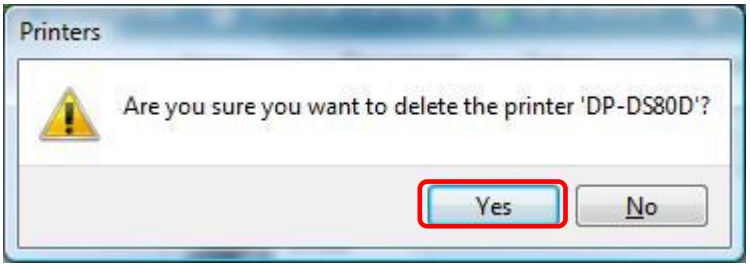


Fig 3.1.3 Delete Printer confirmation window

(3) After the DP-DS80D has been deleted, right-click where there is no icon, and get the pull-down menu. In the pull-down menu, click on “Run as administrator”－ “Server Properties”.

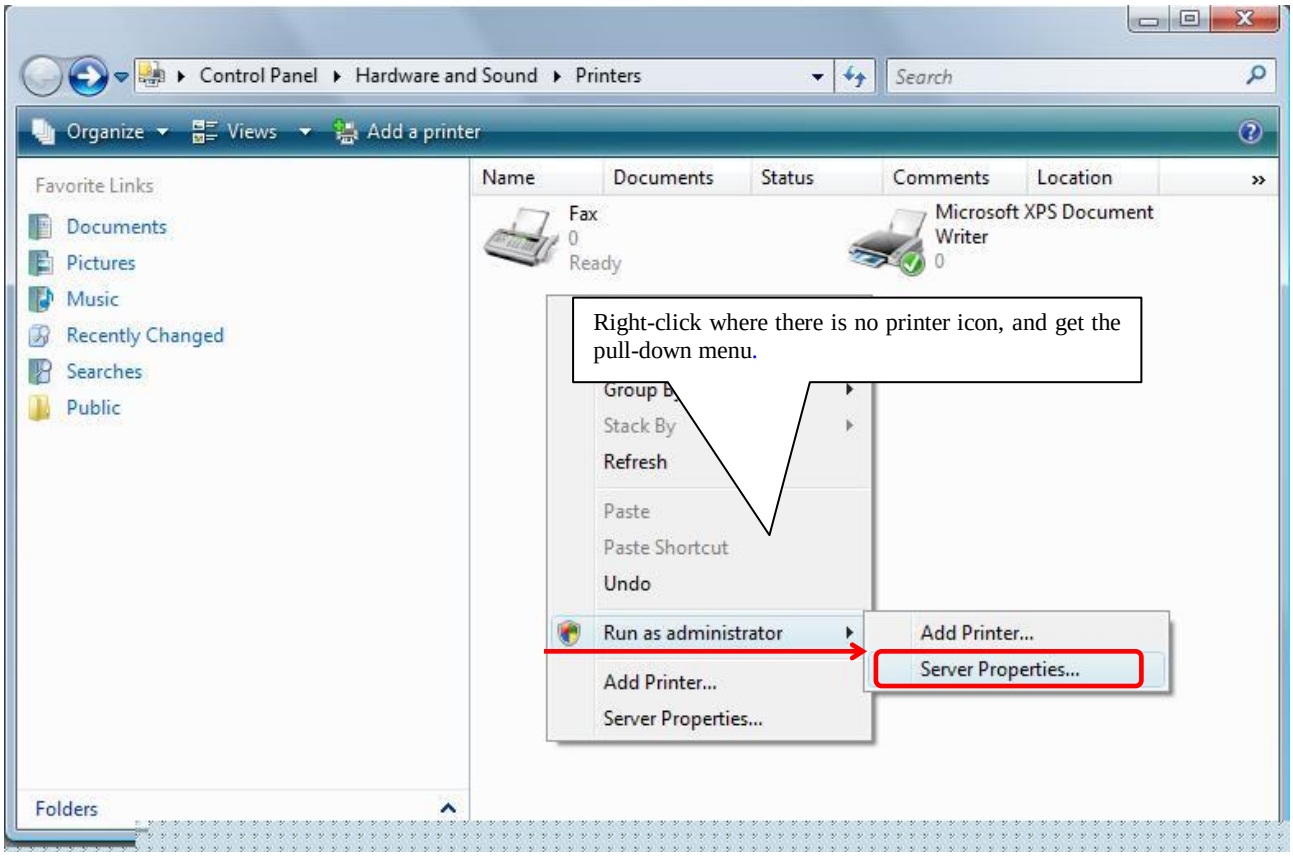


Fig 3.1.4 Pull-down menu opened by right-clicking on the Printer window

Note） After this, user account control will request confirmation with “Windows needs your permission to continue.” Click on the “Continue” button.

When the Print Server Properties window appears, click on the Drivers tab. From the list of installed printer drivers, select "DP-DS80D", and click the "Remove" button.

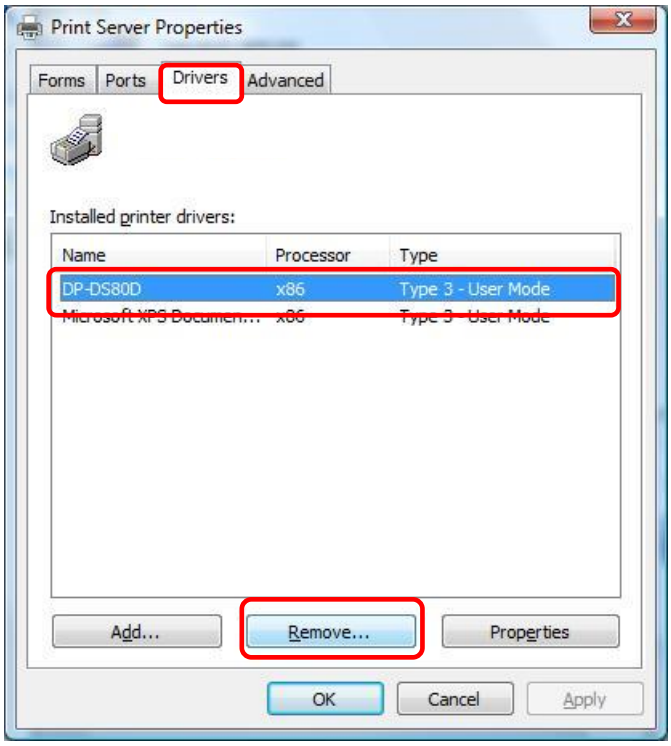


Fig 3.1.5 Print Server Properties window

When the Remove Driver and Package window appears, select "Remove driver and driver package", and click on the"OK" button.

Fig 3.1.6 Remove Driver and Package window

When the Print Server Properties confirmation window appears, click on the "Yes" button.

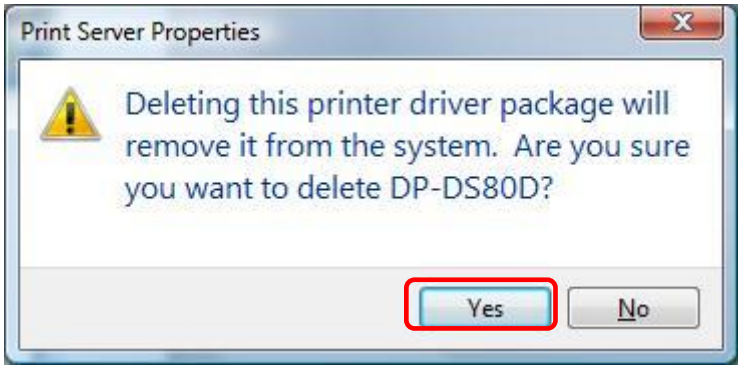


Fig 3.1.7 Print Server Properties confirmation window

When the Remove Driver Package window appears, click on the “Delete” button.

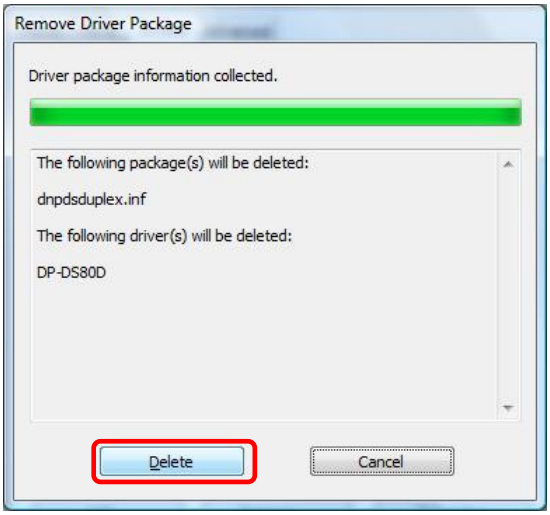


Fig 3.1.8 Remove Driver Package window

When the Driver Package Deleted window appears, click on the “OK” button.

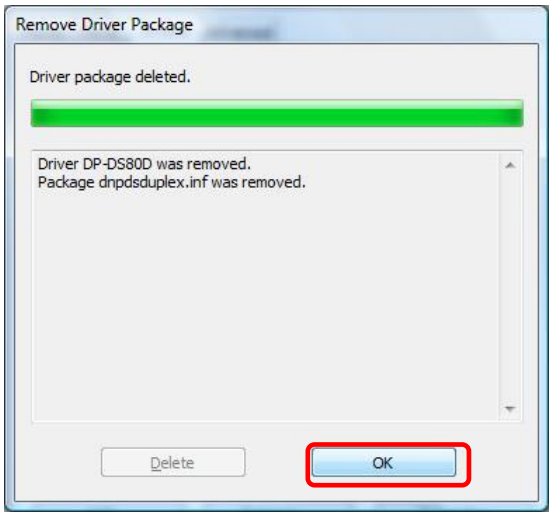


Fig 3.1.9 Driver Package Deleted window

Note) Before removing the printer-driver, if the following error message appears, please reboot the computer. After the computer has been rebooted, repeat the steps to remove the printer-driver.

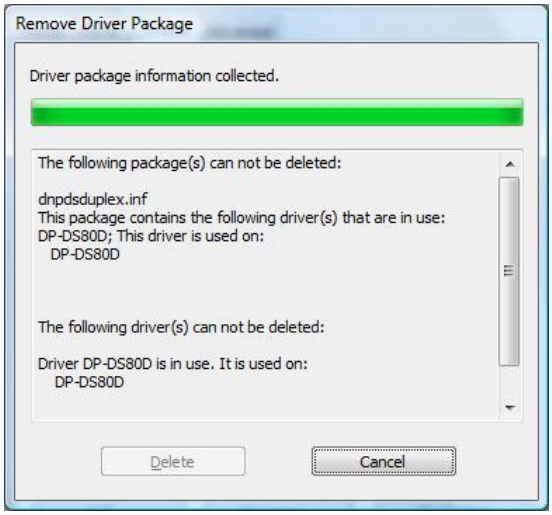


Fig 3.1.10 Error message that was not able to remove Driver Package

Using the Print Server Properties window, confirm that “DP-DS80D” has been removed, and click on the “Close” button.Now the removal of the printer driver is complete. After removal, reboot the computer.

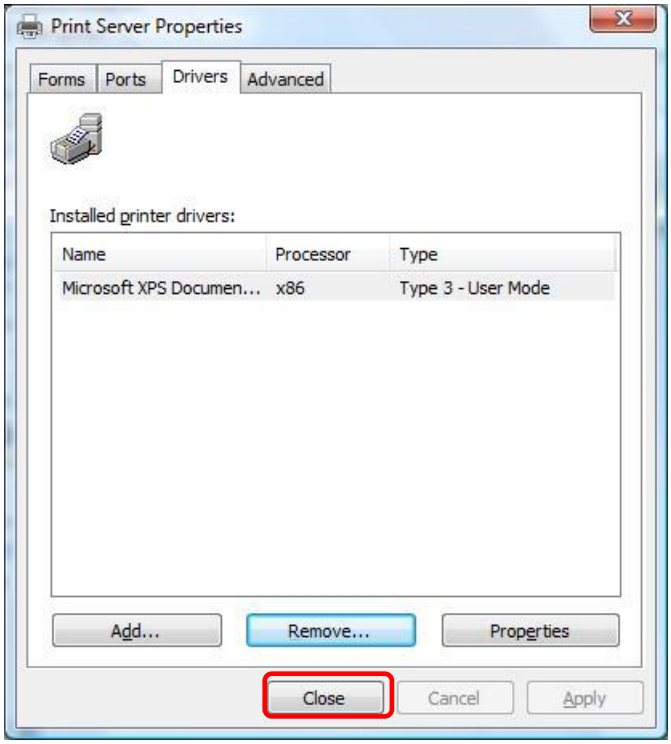


Fig 3.1.11 Print Server Properties window

2. Installing the printer-driver upgrade

After removing the printer and printer-driver, install the new printer-driver. For installation steps, please refer to Chapter 1 “Install”.

3. Rebooting the computer

After installation of the printer-driver is complete, be sure to reboot the computer.
(Do not print immediately after installation. First reboot the computer.)

Chapter 4 Driver Removal

For steps to remove the printer-driver, refer to Chapter3-1 “Driver Removal”

Dai Nippon Printing Co., Ltd.