

DIGITAL PHOTO PRINTER

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.

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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.

1

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)".

G 1 F	ound New Hardware - Dai Nippon Printing DP-DS80D	X
Wind	ows couldn't find driver software for your device	
٧	<u>Check for a solution</u> Vindows will check to see if there are steps you can take to get your device vorking.	
L	B <u>r</u> owse my computer for driver software (advanced) ocate and install driver software manually.	
		Cancel

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.

G D Found New Hardware - Dai Nippon Printing DP-DS80D	
Browse for driver software on your computer	
Search for driver software in this location:	
X:¥Driver¥DP-DS80D¥English¥Vista	▼ Browse
Include subfolders	
	Next Cancel

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.

G I Found New Hardware - DP-DS80D	×
The software for this device has been successfully installed	
Windows has finished installing the driver software for this device:	
DP-DS80D	
	Close

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.

🎍 Organize 👻 🚆 Views 👻 🏭 A	Add a printer					C
avorite Links	Name	Documents	Status	Comments	Location	ŝ
Documents		DP-DS80D		Fax 0		
Pictures		Ready Microsoft XPS Doc		Ready		
Music Recently Changed	-	Writer	ument			
Searches	3	0				
Public						

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.

🔿 🗸 🐏 « Printers	- Search	× 🗉 د م
🌗 Organize 👻 🚆 Views 🖌 🎇 Add	printer	2
	art the Add Printer Wizard, which elps you install a printer.	»
Folders	*	
Power Options	*	

Fig 1.10 Printer window

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

	ose a local or network printer
•	Add a local printer Use this option only if you don't have a USB printer. (Windows automatically installs USB printers when you plug them in.)
*	Add a net <u>w</u> ork, wireless or Bluetooth printer Make sure that your computer is connected to the network, or that your Bluetooth or wireless printer is turned on.
	Next Cance

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.

Choose a printer p	ort	
choose a printer p	on	
A printer port is a type of printer.	connection that allows your computer	to exchange information with a
Use an existing port:	USB001 (Virtual printer port fo	r USB)
© <u>C</u> reate a new port:		
Type of port:	Local Port	

Fig 1.12 Choose a printer port window

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

	r driver nufacturer and model of your printer. If your printer came with an installation re Disk. If your printer is not listed, consult your printer documentation for
compatible prin	
Manufacturer	Printers
Apollo Brother	Apollo P-1200
Canon Citizen	Apollo P2200

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.

n Disk
Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.
Copy manufacturer's files from: X:¥Driver¥DP-DS80D¥English¥Vista ▼ Browse

Fig 1.14 Install From Disk window

Install the printer driver	
Select the manufacturer and disk, click Have Disk. If your	model of your printer. If your printer came with an installation printer is not listed, consult your printer documentation for
compatible printer software.	
Printers	
DP-DS80D	
	gned! <u>H</u> ave Disk

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 <u>d</u>efault printer", and click the "Next" button.

G 🖶 Add Printer	Parameter and
Type a printer name	
Printer name: DP-DS80D	
This printer will be installed with the DP	
	<u>N</u> ext Cancel

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".

) 🖶 You	Add Printer	
a tes	e if the printer is working correctly, or to see troubleshooting information for t page. Yrint a test page	the printer, pr
	<u> </u>	Cance

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.

Control Panel + Hardware an			2	 ✓ 4 Search 			Q
Organize Add a print Favorite Links Documents Pictures Music More Folders Verse	Name	Documents PP-DS80D eady Aicrosoft XPS Do	Status	Comments Fax 0 Ready	nting preferen	Ces » Model	0
Nesktop							

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 \Rightarrow Control Panel \Rightarrow open the control panel



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



- ✓ ⁴→ Search Q (-)(-)💌 😫 Add a printer 😹 See what's printing 🚑 Set as default 😫 Select printing preference: 🄄 Organize ୟ Views ? Name Status Model Documents Comments Location Favorite Links DP-DS80D Fax $\frac{1}{2}$ Documents Pictures Ready Open Music Microsoft X Run as administrator Writer ۲ . More » Set as Default Printer Folders Printing Preferences... 📃 Desktop Pause Printing Sharing... Use Printer Offline Refresh Create Shortcut Delete Rename Properties
- 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.

Color Management		Security	Device Settings
General	Sharing	Ports	Advanced
<i></i>	-DS80D		
ocation:			
<u>comment:</u>			
Model: DP-	-DS80D		
louel. Dr.	00000		
Features	05000		
STREET, STREET	0000	Paper available:	
Features Color: Yes Double-sided: Y		Paper available: (8x10)	·
Features Color: Yes Double-sided: Y Staple: No	/es		
Features Color: Yes Double-sided: Y Staple: No Speed: Unknow	/es vn		
Features Color: Yes Double-sided: Y Staple: No	/es vn		
Features Color: Yes Double-sided: Y Staple: No Speed: Unknow	/es vn ıtion: 600 dpi		

2.2 Explanation of Print Setting Functions

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



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

1 (Whole)



4 (uarter-size)



9 (One-ninth size)



2.2.2 Advanced Options

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

🖶 DP-DS80D Printing Preferences	DP-DS80D Advanced Options
Lond Reservativ Option Color Adjustment Meter Me	DP-DS80D Advanced Document Settings Paper/Output Copy Count: <u>1 Copy</u> Copy Count: <u>1 Copy</u> M Graphic Print Quality: <u>300 x 300dpi</u> Ormage Color Management ICM Method: <u>ICM Handled by Host System</u> ICM Intent: <u>Pictures</u> Document Options Advanced Printing Features: <u>Enabled</u> Pages per Sheet Layout: <u>Right then Down</u> Printer Features Border: <u>Disable</u> Overcoat Finish: <u>Glossy</u> Print Re-try: <u>Disable</u>
OK Cancel Aroly	OK Cancel

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. O: Can be selected

Paper Size	Roll paper	Cut paper
(5x3.5)	0	
(5x7)	0	
(6x4)	0	
(6x4)x2	0	
(6x8)	0	
(6x9)	0	
(8x10)	0	0
(8x12)	0	0
(8x4)	0	0
(8x4)x2	0	0
(8x4)x3	0	0
(8x5)	0	0
(8x5)x2	0	0
(8x5)_(8x4)	0	
(8x6)	0	0
(8x6)x2	0	0
(8x6)_(8x4)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
(8x6)_(8x5)	0	
(8x8)	0	0
(8x8)_(8x4)	0	
A4Length	0	
(8x10.50)		0
(8x10.75)		0

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.

Contents of the error	Print Re-try setting is "	Disable"	Print Re-try setting is "	Enable"
Side the Error Occurs On	Front	Back	Front	Back
Paper End	Please resend picture	_	Printing processing is	-
	data not printed after		resumed from the data currently held in the	-
Ribbon End	error recovery.	Regardless of Print Re-try settings, once the error is resolved, printing processing is resumed from data currently held in the printer buffer.	when paper initializa- tion operation is run, it is printed after the paper initialization operation.	Regardless of Print Re-try settings, once the error is resolved, printing processing is resumed from data currently held in the printer buffer.
Cover Open		After the error is		If the error occurs on
Paper Jam (*1)		resolved, resend the		the back side, printing
Ribbon Error (*1)		print data including the		of the back will
Paper Definition Error Scrap Box Error		front image.		continue after the error
Serap Box 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.
Data Error	Error recovery requires	Because resolution of	Error recovery requires	Because resolution of
Head Voltage Error	that the power supply of	the error requires the	that the power supply of the printer needs to be turned OFF. Therefore, print data in the printer buffer is	the error requires the
Head Position Error	the printer needs to be turned OFF.	printer to be turned		printer to be turned
Power Supply Fan Stop Cutter Error	Therefore, print data in	data in OFF, the image data in		OFF, even if Print
Abnormal Head Temp.	the printer buffer is			Re-try is enabled, the
Abnormal Media Temp.	cleared regardless of the	cleared regardless of	cleared even if the Print	turning OFF of the
Ribbon Tension Error	setup of the Print	Print Re-try settings.	Re-try function is set to	printer will clear the
RFID Module Error	Re-try function.		"Enable".	data from the buffer.
Abnormal motor Temp.	Please resend the picture data not printed	Also, even though the		Also, even though the
System Error		front side is finished, it	Please resend the	front side is finished, it
		will be aborted, so	picture data not printed after the printer is	will be aborted, so after
	after the printer is	after the printer is		the printer is rebooted,
	rebooted.	rebooted, resend the	rebooted.	resend the image data
		image data for both		for both sides of the
		sides of the print.		print.

Error Re-try Function for Duplex Printing

*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

DP-D	S80D Printing	Preferences		
Tray	Paper/Quality Selection er Source:	Option Color Adjust	tment Printer Info	
Color	(mark)	 Blagk & White 	Color	
			Advar	nced
			OK C	ancel Apply

Fig 2.2.3 Paper/Quality tab

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

DP-DS80D Printing Preferences	X	DP-DS80D Printing P	references	×
Layout Paper/Quality Option Color Adjustment	Printer Info	Layout Paper/Quality	Option Color Ad	ustment Printer Info
Border		E Border		
Sharpness(H) : 0 (Default)	•	Sharpness(<u>H</u>) :	0 (Default) -2 (Blur More)	~
Color Adjustment		Color Adjustment	-2 (Blur More) -1 (Blur) 0 (Default)	
	led by Driver(J)	None(N)	+1 (Soft) +2	
ICM() O ICM 8		 ICM(I) 	+3 +4 (Normal) +5	
Citra O Citra		C ICMU	+5 +6 +7 +8 (Hard)	
			+8 (Hard)	
About(B)		About(B)		
		1		
	OK Cancel Apply			OK Cancel Apply
Fig 2.2.4.1 Pa	aper 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 <u>2.2.5 Color Adjustment</u> 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 <u>Handled by Driver</u> in 2.2.4 Options, the respective color adjustment values in the Color Adjustment tab are reflected in the image.

out Pap	er/Quality Option	Color Adjustment Prin	ter Info		
Sample P	icture				
		TOL ST		A VERS	
1		5.12	10		
2	180	1.50		111	
1			-		
		COHT I		Conternal A	
Gamma		Brightness		Contrast	
R: -	0	R: 0 0	A.V	R: -0- 0	
a:		G:		G:	4
		B: 0	- terms	B. → → 0	- Consection
	0 -	B: 0	A V	B:0	A V
	Sync	V	Sync	V Syr	nc
Chroma					
0.000	-0	0			
				Default(<u>D</u>))
				Load(L)	
				Save(S)	

Fig 2.2.5 Color Adjustment tab

Setting ranges in the Color Adjustment tab are as follows:

	Adjustment Value
Gamma	$-100(dark) \sim 100(light)$ (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.

	Option Color Ad	ljustment Printer Info				
Media Info						
Media Type	Remaining Med	dia Amount 73	/ 110 Sheets			
8x12						
	0%	50%	100%			
rinter Status						
	Printer Status					
	Waiting					
		and a second second				
ife Counter		Firmware Version				
13903	D	DS80DUP 1.12PRN				
Serial No.						
DS8D_CS3A044						
DS8D_CS3A044		600dpi				
DS8D_CS3A044 Color Control Data		600dpi Version				
DS8D_CS3A044 Color Control Data 300dpi Version DS80_300_01	30.CWD	Version DS80_600_01	30.CWD			
DS8D_CS3A044 Color Control Data 300dpi Version DS80_300_01 Checksum	30.CWD	Version DS80_600_01 Checksum	30.CWD			
DS8D_CS3A044 Color Control Data 300dpi Version DS80_300_01	30.CWD	Version DS80_600_01	30.CWD			
DS8D_CS3A044 Color Control Data 300dpi Version DS80_300_01 Checksum	30.CWD	Version DS80_600_01 Checksum	30.CWD			
DS8D_CS3A044 Color Control Data 300dpi Version DS80_300_01 Checksum	30.CWD	Version DS80_600_01 Checksum	30.CWD			
Version DS80_300_01 Checksum	30.CWD	Version DS80_600_01 Checksum	30.CWD			

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 0	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.
Unit Paper Jam Feed area	Please refer to the Duplex Unit User's Manual for details
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		Default			
	Orientation	Portrait			
Layout	Print on Both Si	None			
	Page Order			Front to Back	
	Pages Per Sheet			1	
Paper/Quality	Paper Source		Roll Paper		
Paper/Quality	Color		Color		
	Border			Disable	
Option	Sharpness			0 (Default)	
	Color Adjustmer	nt	t		
	Gamma	0			
Color	Brightness	0			
Adjustment	Contrast	0			
	Chroma	0			
	Demon/Orthant	Paper Size	Paper Size		
	Paper/Output	Copy Count		1	
		Print Quality		300 x 300dpi	
				ICM Handled by Host	
Advanced	Graphic	Image Color	ICM Method	System	
(Click [Advanced]		Management	ICM Intent	Pictures	
button of Layout tab)		Advanced Printing	Features	Enable	
(40)		Pages pre Sheet Lag	yout	Right then Down	
	Document		Border	Disable	
	Option	Printer Features	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.

General	Sharing	Ports	Advanced
Color Manage	ement	Security	Device Settings
	Color <u>M</u> anage	ement	

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

Device:	Printer: DP-DS80D		
Profile selection:	Use my settings for this device Automatic (Recommended)		
Pro <u>f</u> iles associated with	this device:		
Name		File name	
ICC Profiles			
Add <u>R</u> emov	e]	Set as Default Profile

Fig 2.4 Color Management

2.5 Print Area

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

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

※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 differs as shown 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	Driver setting				
Image	Orientation	Paper Size		-	
		(8x4), (8x5), (8x6)		(8x10)、(8x12)	
		Application-created	Print	Application-created	Print
		image	(Feed dir.↓)	image	(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.

[DP-DS80D Printer Driver] Instruction Manual for Windows 7

	Original Ima	ae						Driver	Settings								
	0	0		Paper Size	(8x4), (8x5)	<includi< td=""><td>ng multi-layou</td><td></td><td></td><td>Paper Siz</td><td>ze (8x10),(8x</td><td>(10.5), (8x</td><td>:10.75), (8x12)</td><td></td></includi<>	ng multi-layou			Paper Siz	ze (8x10),(8x	(10.5), (8x	:10.75), (8x12)				
Orien-			Print	Application-		Flip		int	Print		on-created	Flip		int			
tation			Dir.	ima	age	on	(Feed	l dir.↓)	Dir.	ima	age	on	(Feed	l dir.↓)			
	Front	Back		Front	Back		Front	Back		Front	Back		Front	Back			
Port- rait			Vert.			Long edge	R		Vert.			Long edge	S				
						Short edge						Short edge					
			Horiz.			Long edge			Horiz.			Long edge					
									Short edge						Short edge		
Land- scape				Vert.		Â	Long edge	T PLIE	D	Vert.			Long edge	a par ta has			
									Short edge				mather.		Short edge		
			Horiz.			Long edge			Horiz.			Long edge					
						Short edge	and the second sec			amili in .		Short edge	· · · · ·				

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

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

<u>your acoignation</u>	-		
	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.





(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 2^{nd} 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 1^{st} and 2^{nd} images are created as the same size, so factor in the space that will be cut off from the 2^{nd} image.



2.7.2 Example of Multi-layout application use

This is an example using Windows Explorer







Step 3. Click on "Printer Properties".



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



Step 5. Click on "Advanced".

	Paper/Quality	Option	Color Adjustme	ent Printer Info		
Orient	ation:					
A P	ortrait		-			
Print o	n <u>B</u> oth Sides:					
A N	lone		•			
Page (=	
Front	to Back		•			
Page	Format					
1.20	s per Sheet	1	•		=	
D	ra <u>w</u> Borders					
					(Advanced
					(Ad <u>v</u> anced

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.

Tray Selection			
Paper Source:	Roll Paper		-
	Roll Paper		
Color	Cut Paper (Tray)		
	🔘 Bla <u>c</u> k & White	© Color	
			Ad <u>v</u> anced
			Ad <u>v</u> anced
			Adyanced
			Adyanced
			Advanced
			Adyanced

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

DP-D	S80D Printing Pro			a Description
		ption C	Joiot Adjustm	nt Printer into
-	tation:			
A	Portrait		•	
Print	on <u>B</u> oth Sides:		-	
	None		-	
	Vone			=
	lip on Long Edg			
	lip on Short Edg e Format	-		
		-		
	e <u>s</u> per Sheet	1	•	
	Dra <u>w</u> Borders			L
				Advanced

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 imagesfrom the 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.

8x4x2 8x5x2 8x6x2	Even number of prints	Image 1 Image 2	Send on 1 job	Image 1 Image 3	Front data lay out on 1 image
		Image 3		Image 2	Back data lay
		Image 4		Image 4	out on 1 image
Paper size change	Odd number of prints (remainder	Image 5	Send on other job	Image 5	Front data lay out on 1 image
8x4 8x5 8x6	of 1 print)			blank	Back data is blank
	Even number of prints (remainder	Image 5	Send on other job	Image 5	Front data lay out on 1 image
	of 2 prints)	Image 6		Image 6	Back data lay out on 1 image

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.

O O マ Sound → Prin	ters	▼ 49 Se	arch		٩
🌗 Organize 👻 🚟 Views 👻 🕌 Add a prin	iter				2
Favorite Links Documents Fill Dictures Music Recently Changed Searches Lublic	1	Documents DP-DS80D Offline Double click	Status	Comments	E
Folders					-

<u>Printer</u> <u>D</u> ocument <u>V</u> iew				
Document Name	Status	Owner	Pages	
o cument nume	Status	onner	ruges	

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".

🖢 Organize 👻 🚆 Views 👻 🍓 A	dd a printer 🛛 😹	See what's print	iing 🛛 👼 Set as defau	ilt 🐘 Select pr	inting preferences	» (?
Favorite Links Documents Pictures Music Recently Changed Searches Public	Name	Docun Offline Writer O	Status Open Run as administration Set as Default Printing Printing Preference Pause Printing Sharing Use Printer Online Refresh Create Shortcut Delete Rename	er	Location	,
			Properties			

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".

🖌 Organize 🔻 🚆 Views 🔻 🕌	Add a printer			_
vorite Links Documents Pictures Music	Contra 1	Documents Status Fax 0 Ready	Comments Location Microsoft XPS Document Writer 0	
Recently Changed Searches Public		Right-click where there is pull-down menu. Group B Stack By Refresh Paste Paste Paste Shortcut Undo	s no printer icon, and get the	
		Run as administrator Add Printer Server Properties	Add Printer 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.

Installed printer drive	ers:	
Name	Processor	Туре
DP-DS80D	x86	Type 3 - User Mode
Microsoft XPS Doca	men x86	Type 3 - User Mode

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.

emove Driver And Pac	kage
Do you want to remove remove the driver(s) an your system?	the driver(s) only, or d driver package(s) from
© <u>R</u> emove driver or	nly.
Remove driver ar	nd driver package.
ОК	Cancel
	Conten

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

Driver package information collected.	
The following package(s) will be deleted:	
dnpdsduplex.inf	
The following driver(s) will be deleted:	
DP-DS80D	

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.

river package deleted.	
Driver DP-DS80D was removed. Package dnpdsduplex.inf was removed.	
Delete OK	

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.

river package information collected.	
The following package(s) can not be deleted:	
dnpdsduplex.inf This package contains the following driver(s) that are in use: DP-DS80D; This driver is used on: DP-DS80D	Е
The following driver(s) can not be deleted: Driver DP-DS80D is in use. It is used on:	
DP-DS80D	Ŧ

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.

orms Ports Drivers Ad	vanced	
1 A		
nstalled printer drivers:	-	1-
Name	Processor	Туре
Microsoft XPS Documen	x86	Type 3 - User Mode

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"

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