# DNP

# DIGITAL PHOTO PRINTER DS-RX1 HS DS-RX1

# **Printer Driver Instruction Manual**

For Windows XP

#### •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 DS-RX1 printers or the contents of the DS-RX1 printer drivers and the CD.

#### •Copyright

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# Chapter 1 Install

# **1.1 Printer and Host computer Connection**

Power ON the DS-RX1 and connect the DS-RX1 printer and the host by USB cable. \* Please refer to the manual for the DS-RX1 printer for connection if needed.

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

After confirming [Install from a list or specific location [Advanced]] is selected, click [Next].

Found New Hardware Wize	ard
	This wizard helps you install software for: DS-RX1 If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?  Install the software automatically [Recommended]  Install from a list or specific location [Advanced]  Click Next to continue.
	< <u>B</u> ack <u>N</u> ext > Cancel

Fig 1.1 Found New Hardware Wizard

Note) When using Windows XP SP2 or later, if the following screen appears in "Found New Hardware Wizerd", select "No, not this time", and click the "Next" button.



Select [Search for the best driver in these locations], and confirm that [Include this location in the search] is selected. Specify the location of the installation disk using the [Browse] button, and click [Next]. \* The location is different by the OS.

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable <u>m</u> edia (floppy, CD-ROM)
Include this location in the search:
I:\DS-RX1_Driver\English\XP
O Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< <u>B</u> ack <u>N</u> ext > Cancel

Fig 1.2 Search and Install Option

After searching the driver file, software installation is initiated. It takes some time for the software installation.

Found New Hardware Wizard			
Please wait while the wizard searche	25		e a a a a a a a a a a a a a a a a a a a
Dai Nippon Printing DS-RX1			
	3		
	< <u>B</u> ack	Next > Can	cel

Fig 1.3 Software Installation

If the following window appears during upgrade installation, check the "Version" section, select the newest version, and click the "Next" button.

Found New Hardware Wizard		
Please select the best match for your hardware from the list below.		
DS-RX1		
Description Vers	ion Manufacturer Location	
DS-RX1 0.9.0	0.0 Dai Nippon Printing c:\windows\inf\oem26.inf	
DS-RX1 1.0.0	0.0 Dai Nippon Printing d:\ds-rx1_driver\english\xp\dsrx1.inf	
	not digitally signed! rer signing is important	
	< <u>B</u> ack Next > Cancel	

Fig 1.4 Select Software

During software installation, the following message will be displayed. Please click [Continue Anyway] to continue.

Hardwar	re Installation
<u>.</u>	The software you are installing for this hardware: Printers has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway

Fig 1.5 Hardware Installation

If [Search removable media (floppy,CD-ROM)] has been selected in Figure 1.2, the following message will be displayed. CD-ROM is inserted, and click [OK].

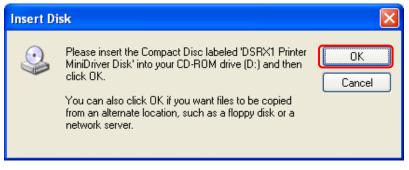


Fig 1.6 Insert Disk

If the following window appears when clicked [OK] in Figure 1.6. Specify the location of the installation disk using the [Browse] button, and click [OK].



Fig 1.7 Files Needed

Click [Finish] to finish the wizard.



Fig 1.8 Quit from Found New Hardware Wizard

Click [start] - [Printer and Faxes] and confirm that [DS-RX1] is shown.

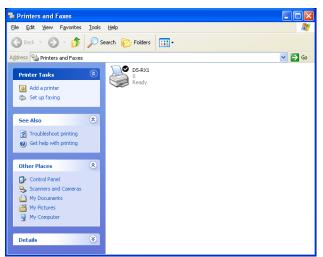


Fig 1.9 Printers and Faxes

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

### 1.3 Install from Add Printer Wizard

Click [start] - [Printers and Faxes].

(Depending on the host computer, [Printers and Faxes] may not be indicated. In that case, click [start] – [Control Panel] – [Printer and Other Hardware] – [Printers and Faxes])

#### Click [Add a printer].

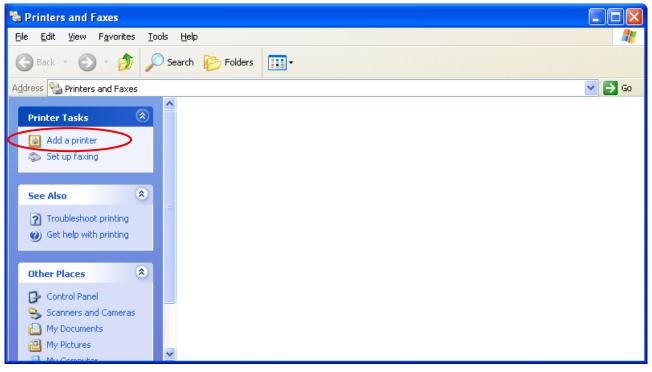


Fig 1.10 Printers and Faxes

After [Add Printer Wizard] window is shown, click [Next].



Fig 1.11 Start of Add Printer Wizard

In the [Local or Network Printer] window, select [Local printer], and deselect [Automatically detect and install my Plug and Play printer], then click [Next].

Add Printer Wizard	
Local or Network Printer The wizard needs to know which type of printer to set up.	
Select the option that describes the printer you want to use:	
Automatically detect and install my Plug and Play printer	
○ A network printer, or a printer attached to another computer	
To set up a network printer that is not attached to a print server, use the "Local printer" option.	
< <u>B</u> ack Next > Cancel	

Fig 1.12 Local or Network Printer

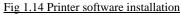
In the [Select a Printer Port] window, select [Use the following port] and assign USB port ([USB001] so on) from the dropdown list, then click [Next].

Add Printer Wizard		
Select a Printer Port Computers communicate with printers through ports.		
Select the port you want your printer to use. If the port is not listed, you can create a new port.		
O ∐se the following port: USB001 (Virtual printer port for USB)		
Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:		
Create a new port: Type of port: Local Port		
< <u>B</u> ack <u>N</u> ext > Cancel		

Fig 1.13 Printer port assign

After [Install Printer Software] is shown, click [Have Disk].

Add Printer Wizard
Install Printer Software The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturer       Printers         Agfa       AGFA-AccuSet v52.3         Alps       AGFA-AccuSetSF v52.3         Apollo       AGFA-AccuSet 800         Apple       AGFA-AccuSet 800         APS-PS       AGFA-AccuSet 800SF v52.3         This driver is digitally signed.       Windows Update         Tell me why driver signing is important
< <u>B</u> ack <u>N</u> ext > Cancel



In the [Install From Disk] window, select the location of the installation disk using [Browse]. **\*** The location is different by the OS.

Install F	rom Disk	
J.	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from: I:\ DS-RX1_Driver \English\XP	Browse

Fig 1.15 Install from disk

After confirming that [DS-RX1] is shown, click [Next].

Found New Hardware Wizard	
Add Printer Wizard	
	ur printer. If your printer came with an installation t listed, consult your printer documentation for a
Printers	
DS-RX1	
A This driver is not digitally signed! Tell me why driver signing is important	Have Disk
	< <u>B</u> ack Next > Cancel

Fig 1.16 Printer software installation

In the [Name Your Printer] window, assign a name to the printer and click [Next].

Add Printer Wizard
Name Your Printer You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
<u>Printer name:</u> DS-RX1
< <u>B</u> ack <u>N</u> ext > Cancel

Fig 1.17 Assigning a name to the printer

In the [Print Test Page] window, select [No] and click [Next].

Add Printer Wizard
Print Test Page To confirm that the printer is installed properly, you can print a test page.
Do you want to print a test page? ① Yes ② NG 《 Back Next > Cancel

Fig 1.18 Print test page

In the [Completing the Add Printer Wizard] window, click [Finish].

Add Printer Wizard			
	Comple Wizard	ting the Add Printer	
	You have successfully completed the Add Printer Wizard. You specified the following printer settings:		
	Name: Share name: Port: Model: Default: Test page:	DS-RX1 <not shared=""> USB001 DS-RX1 Yes No</not>	
	To close this	wizard, click Finish.	
		< Back Finish Cancel	

Fig 1.19 Completing the Add Printer Wizard

When installing the software, the following message may be displayed. Click [Continue Anyway] to continue.

Har dwa	re Installation
♪	The software you are installing for this hardware: Printers
	has not passed Windows Logo testing to verify its compatibility with Windows XP. ( <u>Tell me why this testing is important.</u> )
	Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation

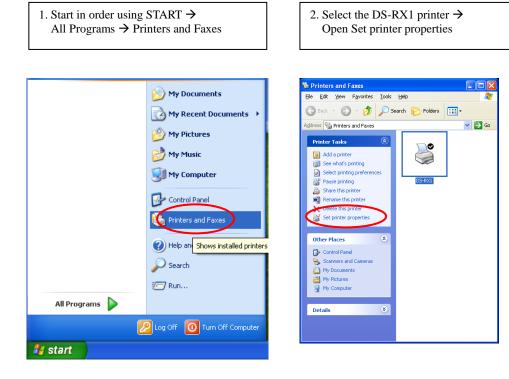
Fig 1.20 Hardware installation

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 DS-RX1 Driver properties. Before operation, be sure to have a good understanding of the contents. Depending on application of the use, operation from print setting of the application is necessary.

# 2.1 Opening Printer Properties



3. The DS-RX1 Properties window will appear.

	nagement	Dev	ice Settings
General	Sharing	Ports	Advanced
DS-F	8×1		
ocation:			
omment:			
1 <u>o</u> del: DS-R	X1		
Features			
Color: Yes	P	aper available:	
Double-sided: N	lo		~
Staple: No			
Speed: Unknov	vn		
			~
Maximum resolu			
Maximum resolu	Printing Pre		Print <u>T</u> est Page

# 2.2 Explanation of Print Setting Functions

2.1 From the Properties window, by selecting Printing Preferences you can make various print settings.

#### 2.2.1 Layout

💩 DS-RX1 Printing Preference	es 🔹 🛛 🔀
Layout Paper/Quality Option (	olor Adjustment
Otientation Potrait Jandiscape Page Order Fignt to Back Back to Front Pages Per Sheet: 1	
	Advanced
	OK Cancel Apply

Fig 2.2.1 Layout tab

#### Orientation

Assign print orientation as Landscape or Portrait. Refer to 2.6 Print direction.

#### Page Order

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

Ex.) Print orderNo.1No.2No.3Front to BackImage: Second sec

#### Pages Per Sheet

Prints the designated fractional size.

 Ex.) Fractional size
 1 (Whole)
 4 (Quarter-size)
 9 (One-ninth size)

 Image: Constraint of the size
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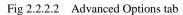


#### 2.2.2 Advanced Options

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

Lyoot       Paper/Quality       Option       Color Adjustment         Orientation	Orientation            • Page Order             • Page Street:             • Page Street:             • Print Quality: 300 x 3000dpi	Srational States	
Advanced       ICM Intent: Pictures         Advanced       Printer Features: Enabled         Border: Disable       Overcoat: Finish: Glossy         Overcoat: Finish: Glossy       Print Re-try: Disable	2inch cut: <u>Disable</u>	Overlain       Operlain       O Landroape       Page Dider       O Front D Back       O Back to Front   Pageg Per Sheet 1 V	<ul> <li>DS-RX1 Advanced Document Settings</li> <li>Paper/Output</li> <li>Paper Size: (6x4)</li> <li>Copy Count: <u>L Copy</u></li> <li>In Graphic</li> <li>Print Quality: <u>300 x 300dpi</u></li> <li>Image Color Management</li> <li>ICM Method: <u>ICM Handled by Host System</u></li> <li>ICM Intent: <u>Pictures</u></li> <li>Mover Coat Printer Features: <u>Enabled</u></li> <li>Print Re-try: <u>Disable</u></li> <li>Overcoat Finish: <u>Glossy</u></li> <li>Print Re-try: <u>Disable</u></li> </ul>

Fig 2.2.2.1 Advanced Settings



#### **Paper Size**

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

#### **Copy Count**

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

#### **Print Quality**

You can designate the print quality.

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 DS-RX1 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**

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.	

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 an error	Print Re-try setup is "Disable"	Print Re-try setup is "Enable"
Paper End		Printing processing is resumed from data
Ribbon End		currently held in a printer buffer after
Cover Open	Please resend picture data not printed	error recovery.
Paper Jam (*1)	after error recovery.	When paper initialization operation is
Ribbon Error (*1)		performed, it is printed after paper
Paper Definition Error		initialization operation.
Data Error		
Head Position Error	For error recovery, the power supply of a	For error recovery, the power supply of a
Power Supply Fan Stop	printer once needs to be turned OFF.	printer once needs to be turned OFF.
Cutter Error	Therefore, print data in a printer buffer is	Therefore, print data in a printer buffer is
Head Voltage Error	cleared by power-supply OFF of a	cleared by printer power-supply OFF
Abnormal Head Temp.	printer regardless of a setup of the Print Re-try function.	even if the Print Re-try function is set to "Enable".
Abnormal Media Temp.	Ke-try function.	Endore .
Ribbon Tension Error	Please resend picture data not printed	Please resend picture data not printed
RFID Module Error	after printer re-starting.	after printer re-starting.
System Error	atter printer te stattang.	atter printer te statenig.

\*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.

2inch cut (Depending on the version of printer firmware being used, "Disable" may be the only option.) In the case of the specific paper size, it sets up whether it cuts into two or more sheets by the length of 2 inches.

2inch cut	Function
Disable	It cuts in usual size.
Enable	By the length of 2 inches, in the case of $(6x4)$ and PR(4x6) size, it cuts to two sheets, and, in the case of $(6x8)$ size, it cuts to four sheets.

#### <Multiple layout>

When the DS-RX1 is using 6x8 size media, 2 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

Paper	Image size width x height	Using media
Orientation	(mm)	
Portrait	(156.1x105.0) x 2	6x8
Landscape	(105.0x156.1) x 2	
Portrait	(105.0x156.1) x 2	6x8
Landscape	(156.1x105.0) x 2	
	2.54	
	Orientation Portrait Landscape Portrait	Orientation         (mm)           Portrait         (156.1x105.0) x 2           Landscape         (105.0x156.1) x 2           Portrait         (105.0x156.1) x 2           Landscape         (156.1x105.0) x 2

Multiple layout is possible under the following conditions.

1. The printer is using 6x8 size media.

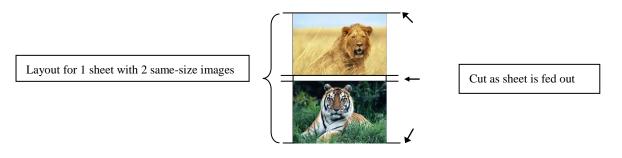
2. The printer driver paper size is set to one of the above sizes.

3. 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 images in one operation, and the paper is cut as it is fed out.

#### <Multi-image layout patterns>

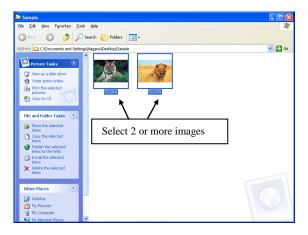
The following is possible for the multi-image layout pattern.



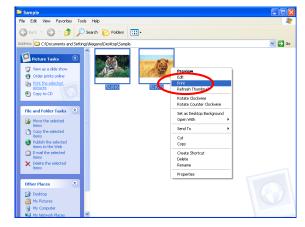
#### <Example of Application Use>

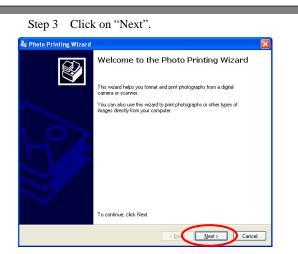
This is an example using Windows Explorer

Step 1. Select 2 or more images.



Step 2 Right-Click on the image, and from the pull-down menu select Print





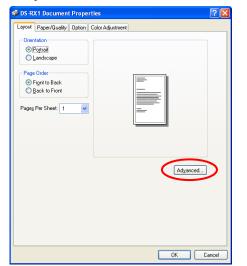
Step 4 Click on "Next"

🝓 Photo Printing Wizard	×
Picture Selection Pictures with check marks will be printed. To print all pictures, click Select All.	Ð
Select All [][ear.	All
	el

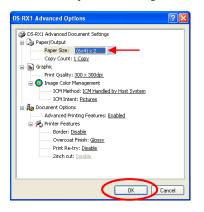
Step 5 Click on "Printing Preference"



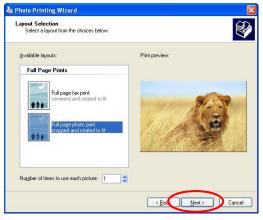
Step 6 Click on "Advanced".



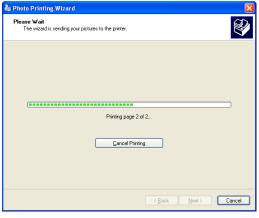
Step 7 Set the Paper Size to "(6x4)x2". Then click "OK" on the windows from steps  $7 \Rightarrow 6$ , returning to the window displayed in Step 5.



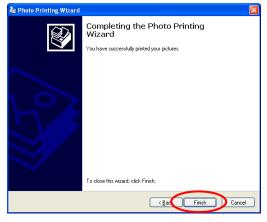
#### Step 8 Click on "Next".



#### Step 9



#### Step 10 Click on "Finish".



#### 2.2.3 Paper/Quality

S-RX1 Printing Preferences	? 🗙
Layout Paper/Quality Option Color Adjustment	
Color	
(Advanced)	
OK Cancel	pply

Fig 2.2.3 Paper/Quality tab

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

#### 2.2.4 Option

DS-RX1 Printing Preferences	? 🛛	💩 DS-RX1 Printing Preferences	? 🛛
Layout Paper/Quality Option Color Adjustment Border Sharpness(H): 0(Default)		Layout Paper/Quality Option Color Adjustment Border Sharpness(H): 0 (Default)	
Color Adjustment O None (M) Handled by Driver (J) O ICM () ICM & Driver (M)		Color Adjustment           None (M)         Handled by Driver (J)         ICM (J)           ICM & Driver (M)         ICM (L)         ICM (L)	
About (B)		About (B)	
OK Cancel	Apply	ОК Са	ncel Apply
Fig 2.2.4.1 Paper option tab		Fig 2.2.4.2 Sharpness set	ting



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

Processes for 11 sharpness levels (Fig 2.2.4.2). 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 Handled by Driver in <u>2.2.4 Option</u>, the respective color adjustment values in the Color Adjustment tab are reflected in the image.

DS-RX1 Printing Prefer ayout Paper/Quality Option Sample Picture	10	
Gamma	Brightness	Contrast
в 🕂 💽	R 0 📚	R 0 📦
G 🔶 🛛 🗊	G 🖵 🛛 🤤	G
	B	в — О 🗊
B D B		
B Sync	Sync	Sync
Chroma		
Sync		Sync
Chroma	Sync	✓ Sync     Default( <u>D</u> )

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	<ul> <li>-100(dark) ~ 100(light) (0 means no adjustment)</li> <li>Adjusts the brightness of the image. The larger the value, the greater the overall brightness of the image.</li> <li>Synchronous check box</li> <li>ON :Sets RGB at the same value</li> <li>OFF:Sets RGB at a different value</li> </ul>
Contrast	<ul> <li>-100(weak) ~ 100(strong) (0 means no adjustment)</li> <li>Adjusts the contrast of the image. The larger the value, the greater the contrast.</li> <li>Synchronous check box</li> <li>ON : Sets RGB at the same value</li> <li>OFF: Sets RGB at a different value</li> </ul>
Chroma	-100(weak) ~ 100(strong) (0 means no adjustment) Adjusts the color saturation of the image.

### 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
	Orientation			Portrait
Layout	Page Order			Front to Back
	Pages Per Sheet	I		1
Paper/Quality	Color			Color
	Frame			Disable
Option	Sharpness			0 (Default)
	Color Adjustme	nt		ICM
	Gamma			0
Color	Brightness 0			0
Adjustment	Contrast			0
	Chroma			0
	Daman/Ortherst	Paper Size		(6 x 4)
	Paper/Output	Copy Count		1
		Print Quality		300 x 300dpi
Advanced	Graphic	Image Color	ICM Method	ICM Handled by Host System
		Management	ICM Intent	Pictures
(Click [Advanced] button of Layout tab)		Advanced Printing F	eatures	Enable
			Border	Disable
	Document	Deinten Frederick	Overcoat Finish	Glossy
	Option Printer Features	Print Re-try	Disable	
			2inch cut	Disable

Chart 2.3 Print Setting Default Values

### 2.4 Color Management

In [Color Management], this designates the color profile. Default at installation associates [RX1].

👹 DS-RX1 Pro	perties		? 🛛			
General	Sharing	Ports	Advanced			
Color I	Color Management Device Settings					
🚺 🛕 printer	settings let you associ . Color profiles control t f media being used and	he color on your p	inter based on the			
<ul> <li>Automatic:</li> </ul>	Windows will automa the list of associated					
🔿 Manual:	Manually select the d this device from the li					
	Default color profile:	RX1				
Color Profiles	currently associated wil	th this printer:				
BX1						
			~			
	Add	Remove	Set As Default			
		K Cano	el Apply			

Fig 2.4 Color Management

### 2.5 Print Area

Paper	Paper	Image size (width x height)		Image pixel amount (width x height)		
	Orientation	(inch)	(mm)	300 x 300 DPI	300 x 600 DPI	600x600 DPI
(5x3.5)	Portrait	5"x 3.5"	131.1 x 92.1	1548 x 1088	1548 x 2176	3096 x 2176
	Landscape	3.5"x 5"	92.1 x 131.1	1088 x 1548	2176 x 1548	2176 x 3096
(6x4)	Portrait	6"x 4"	156.1 x 105.0	1844 x 1240	1844 x 2480	3688 x 2480
	Landscape	4"x 6"	105.0 x 156.1	1240 x 1844	2480 x 1844	2480 x 3688
(5x7)	Portrait	5"x 7"	131.1 x 181.0	1548 x 2138	1548 x 4276	3096 x 4276
	Landscape	7"x 5"	181.0 x 131.1	2138 x 1548	4276 x 1548	4276 x 3096
(6x8)	Portrait	6"x 8"	156.1 x 206.2	1844 x 2436	1844 x 4872	3688 x 4872
	Landscape	8"x 6"	206.2 x 156.1	2436 x 1844	4872 x 1844	4872 x 3688
PR (3.5x5)	Portrait	3.5"x 5"	92.1 x 131.1	1088 x 1548	2176 x 1548	2176 x 3096
	Landscape	5"x 3.5"	131.1 x 92.1	1548 x 1088	1548 x 2176	3096 x 2176
PR (4x6)	Portrait	4"x 6"	105.0 x 156.1	1240 x 1844	2480 x 1844	2480 x 3688
	Landscape	6"x 4"	156.1 x 105.0	1844 x 1240	1844 x 2480	3688 x 2480

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

# 2.6 Print Drection

Regarding the print direction setting, the relationship between the application-generated image and the print (feed direction) is as shown in the following chart. The generated image is the image generated through enlargement/reduction to fit the size shown in 2.5 Print Area, without having the application rotate the original image.

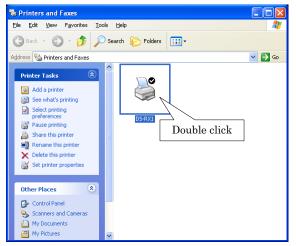
Original	Driver setting						
Image	Orientation	Paper setting					
	setting	(5x3.5)		PR (3.5x5)		(5x7)	
		(6x4)		PR (4x6)		(6x8)	
		(6x4)x2		PR (4x6)x2			
		Generation	Output image	Generation	Output image	Generation	Output image
		image	(direction $\downarrow$ )	image	(direction $\downarrow$ )	image	(direction $\downarrow$ )
	Portrait	R					
	Landscape	R			R	R	
	Portrait		aptien.		a mitter	apties.	
	Landscape				<b>WEAK</b>		

# Chapter 3 Updating the Driver

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

#### 1. Driver Removal

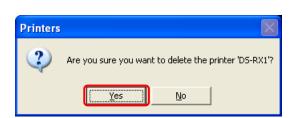
(1) Before removing the printer-driver, shut down all other applications. Also, double click the icon for the printer to be removed, and make sure there are no documents in the queue before you begin removal of the driver.



👹 DS-RX1					
Printer	Document	⊻iew	Help		
Docum	ent Name			Status	Ow
1	111				>
0 docum	ent(s) in que	ue			

(2) From the [Printers and Faxes] window, select the DS-RX1 printer. Select [Delete this printer]. Are you sure you want to delete the printer "DS-RX1"? → select "Yes" to remove the printer.

🖏 Printers and Faxes		
File Edit View Favorites	Tools Help	
Open	🔎 Search 🛛 🙀 Folders	
Printing Preferences		
Pause Printing s		💌 🄁 Go
Sharing Use Printer Offline Add Printer Server Properties		
Set Up Faxing	DS-RX1	
Create Shortcut		
Delete		
Rename Properties		
Close		
Other Places	2	
Control Panel		
😬 My Pictures	✓	



(3) After the DS-RX1 printer has been removed, in the same way select File  $\rightarrow$  Server Properties

The Print Server Properties dialog box should appear. Select the Drivers tab. After selecting driver "DS-RX1", click "Remove". The confirmation box will appear. By clicking "Yes", the driver will be removed. After removal, reboot the computer.

🗞 Printers and Faxes	🎍 Print Server Properties 🛛 🔹 🖓
Printers and Faxes     File Edit View Favorites Tools Help     Server Properties     Create Shortcut     Delete     Rename     Properties     Cose     Sec Also     @ Troubleshoot printing     @ Get help with printing	Print Server Properties   Forms Ports   Forms Ports     Installed printer drivers:     Name   Environment   Version   OS-FX1   Intel Windows 2000 or XP
Other Places     Image: Control Panel       Scanners and Cameras       My Documents       My Photoas       My Computer    Printers and Faxes System Folder	Add Replace Properties
	OK Cancel ≙pply

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.

Print Se	rver Properties 🛛 🔀
8	Unable to remove DS-RX1, Intel, Windows 2000 or XP driver. The specified printer driver is currently in use.
	ОК

#### 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". If the following window appears during installation, check the "Version" section, select the newest version, and click the "Next" button.

Found New Hardware Wizard								
Please select the best match for your hardware from the list below.								
	DS-F	7×1						
	Description	Version	Manufacturer	Location	1			
	DS-RX1	0.9.0.0	Dai Nippon Printing	c:\windo	ws\inf\oem26.inf			
	DS-RX1	1.0.0.0	Dai Nippon Printing	d:\ds-rx1	_driver\english\xp\dsrx	(1.inf		
This driver is not digitally signed! <u>Tell me why driver signing is important</u>								
				< <u>B</u> ack	<u>N</u> ext >	Cancel		

#### 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.