DNP
Photo Imaging

DIGITAL PHOTO PRINTERS

Macintosh Printer Drivers OS X

User Guide

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1

Before You Begin

Use the information in this chapter to better understand this document and any standard procedures or warnings that may come with your product.

Documentation Conventions

When using this document, several text elements and treatments are repeated throughout. The following is an explanation of these symbols and headings:

Text Elements

Attention

This denotes important information concerning safety when working with the equipment. Failure to comply with an Attention statement can cause you injury or harm or cause damage to the system.

Note

This signifies convenient or useful instructions.

Used to denote a procedure that requires two people to lift a heavy item.

Warns of a time-sensitive step. Be sure to read the surrounding instructions completely before performing this operation.

Signifies an item that needs to be entered on the specified form.

Text Treatments

Bold Text – Indicates items you can select, such as buttons and menu entries.

Italic Text – Indicates variable text or placeholders for information, such as user names and directory paths. When entering directory paths and so forth, the word in italics should not be typed, but should be replaced by the appropriate text. Italic text also introduces new words and is occasionally used for emphasis in text.

`Monospace`– Distinguishes information that is displayed on the screen, as well as the text that you should enter.

Important Safety Instructions

Safety is paramount when installing and operating the system. These safety instructions are to protect you and the customer and the overall public. The following bullet points apply to the safety instructions in this manual:

- Read all of these instructions before setting up, installing, and operating your system.
- Follow all warnings, safety precautions, and notices for all procedures in this manual.

- When in doubt, stop what you are doing and reassess the safety of the situation or procedure. Never continue with a step or procedure when there is the slightest doubt regarding safety.
- Save these instructions for future reference.

General Safety Precautions

- Never install or setup the system near water.
- Never place the system on an unstable platform.
- Never place the system near a heat source, such as a heater or furnace.
- Never perform any of these steps while wearing jewelry (rings, loose necklaces, bracelets, etc.), neckties, or other clothing that could get caught in the equipment. These items can get caught in the equipment or may conduct electricity and cause injury.
- Never insert any foreign object into the system unit without powering the system OFF first.
- Never block ventilation ports; allow plenty of room around the system for ventilation.
- Never use water or liquid to extinguish a fire on the system unit.
- Always protect the power cord from accidental kinks, cuts, and foot traffic.
- Always operate this system from the correct type of grounded power source.
- Always clean and maintain the system in the prescribed manner as instructed in this manual.
- Always use this equipment in the specified manner as recommended by the manufacturer.
- Failure to observe safety precautions voids your warranty and may cause damage to the unit and could result in personal injury or death.

Contact DNP Imagingcomm America Coropration immediately if:

- The system is damaged due to fire or flood; or is otherwise unsafe to operate.
- Any part of the system is dropped, cracked, or is not operating properly after performing cleaning and maintenance.
- You have any questions not answered in this manual.

2

Introduction

Use the book to install and learn about your DNP Imagingcomm America Coropration Macintosh Printer Drivers. The printer drivers can be used with any DNP printer.

System Requirements

The DNP printer driver provides printing functionality similar to the Microsoft Windows printer Driver for the DNP IAM DS-Series and RX-Series printers.

The following OS versions and processor architectures are supported:

- Mac OS 10.9 (Mavericks)
- Mac OS 10.10 (Yosemite)
- Mac OS 10.11 (El Capitan)

All executable modules should be 32/64-bit Intel binaries and support:

- Intel 64-bit processor architecture (x86_64)

What's New?

The following is a list of the new features in this release:

- **DS620/DS620A Support**: The Mac driver now supports the new DNP DS620/620A printer.
  - **6x9 Media Support**: For DS620/620A printers only. All media prints sizes are supported (6x9, 4.5x6, (4.5x6)x2)
  - **Ribbon Rewind Support**: For DS620 printers only. Supports the ribbon rewind feature that is offered with this printer.
  - **iSerial Tool**: DS620/620A printers only. This tool activates the iSerial feature in the printer firmware that corrects known issues with the Mac printer driver. The iSerial tool and instruction for installing it can be found on the DNP Imagingcomm America Corp. website: http://www.dnpphoto.com

Contact Us

Need help? Contact DNP Imagingcomm America Coropration technical support at:

United States Phone: 1-855-367-7604 or (724) 696-8957

Latin America Phone: 1-855-367-8008 or (724) 696-8958

Email: dnpsupport@dnp.imgcomm.com

Hours: Monday-Sunday 9am EST – 6pm EST

3

Installing the Macintosh Printer Drivers

Getting Started

Before you install your Macintosh Printer Drivers, be sure you have done the following:

1. Installed paper and ribbon in your DNP IAM printer.
2. Turned your printer ON.
3. Verified that there are no error lights on your printer.
4. Verified that your printer is NOT connected to your Mac computer with a USB cable at this time. You can disconnect the USB cable from the Mac end only if needed.
5. If you have previously had a DNP printer installed on your Mac, go to **System Preferences > Print & Fax**.
   If a DNP DS/RX series printer is listed, delete that printer from the list

Installing the Driver

This chapter includes instructions for installing the printer drivers for DS/RX printers on Mac OS X.

Attention

If the DS/RX printer is connected to your computer, make sure it is turned OFF.

1. From your browser, navigate to the following site: http://dnpphoto.com/Support/Downloads/DriversTools.aspx
2. Under the **Printer Drivers for Mac** section, download the **Mac OS-X Driver for DS40/Ds80/RX1/DS620A/ DS80DX Beta** file.
3. Navigate to where you downloaded the file. Double-click the **DNP Install.dmg** file.
4. In the next window, double-click the **DNP DS Printer Drivers** icon.

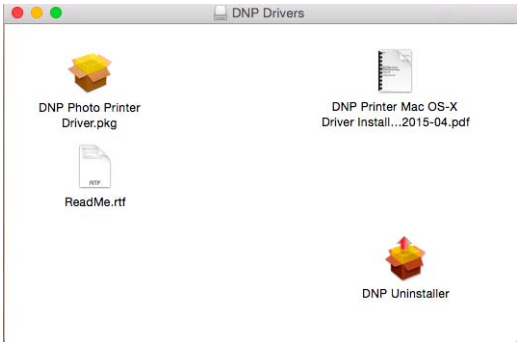


Figure 1. DS Printer Drivers Icon

Note

Depending on which driver you are installing, you may see a DS printer device or a RX printer device.

5. The installer will begin. Click **Continue**.

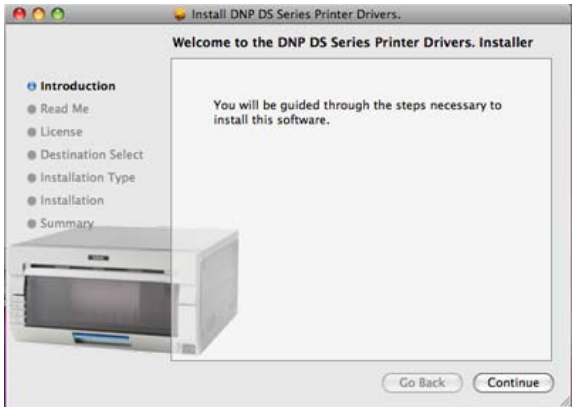


Figure 2. Installer

6. Read the important information on the following screen. When you are done, click **Continue**.

Figure 3. Important Information

7. Read the License Agreement on the following screen. When you are done, click **Continue**.

Figure 4. License Agreement

8. You will be prompted to accept the license agreement terms. Click **Agree**.

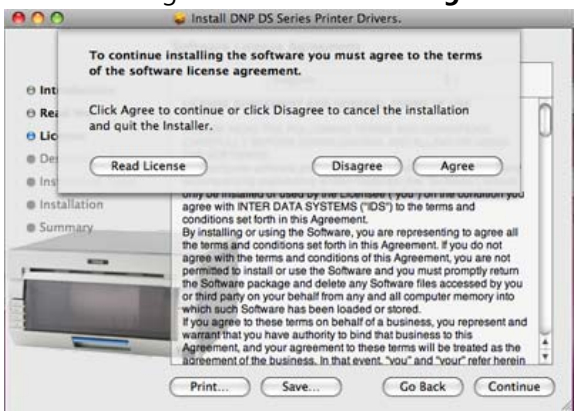


Figure 5. Agree

9. In the next window, click **Install**.

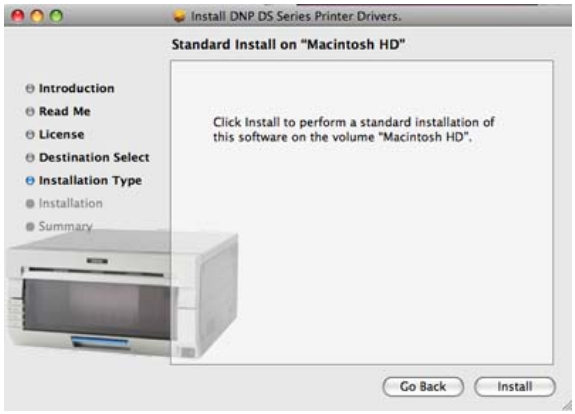


Figure 6. Install

10. If your Mac operating system is password protected, enter your password when prompted. Click **OK**.

Figure 7. Password

11. The installation will begin.

12. When the installation is complete, you will receive the message "Install Succeeded." Click **Close**.

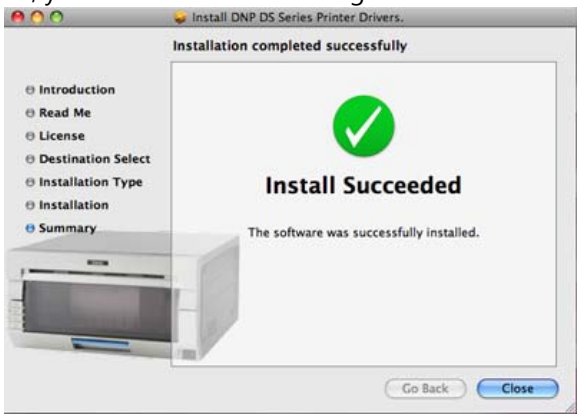


Figure 8. Install Succeeded

You have now installed the DS Printer Drivers on a Mac operating system.

Note

Upon installing the drivers, the DNP ICC profiles are also installed. To change the ICC profiles, please see "Changing the ICC Profiles" on page 20.

Turning ON the Printer

1. Plug the DNP printer into the USB port.
2. Turn the printer ON.
3. The printer should be added as a device automatically in about 1 minute.

Attention

Do NOT use the + sign to add the printer. If you see a + sign, you may already have another instance of the Mac printer driver installed on your system. If so, see step 5 in "Getting Started" on page 9, then repeat the steps above.

Uninstalling the Driver

Follow this procedure to uninstall the printer drivers for DS/RX printers on Mac OS X.

1. Navigate to where you downloaded the **Mac OS-X Driver for DS40/DS80/RX1/DS620A/ DS80DX Beta** file.

Note

If you no longer have the above mentioned file, please follow steps 1 - 3 in the "Installing the Driver" on page 9.

2. Double-click the **DNP Install.dmg** file.
3. In the next window, double-click the **DNP Uninstaller** icon.
4. The uninstall process begins.

5. Navigate through any subsequent windows that are displayed.

Note

Uninstalling the driver only uninstalls the current version. If you have multiple versions of the driver, you need to run the uninstall for each driver version.

Troubleshooting

- Make sure the printer is connected to the USB port and turned ON. The LEDs on the printer should indicate a "Ready" status. (For more information on this, consult the DS/RX Printer User Manual.)
- If the printer is added, but you cannot print:
  1. Turn the printer OFF. Go to **System Preferences > Print & Fax** and delete any DS/RX Printers listed.
  2. Turn the printer ON and wait for the printer to add itself as a device.

  If the printer does not automatically add itself to the printer list, use the **+** sign to add it in the **System Preferences > Print & Fax** dialog box.

4

Using the Macintosh Printer Drivers

After installing your driver, you can use the DS40, DS40D, DS80, DS80D, or RX1 to print from your computer. Use the procedures in this chapter to explore and use all of the features available with the Macintosh Printer Drivers.

Note

The printer options screen may change slightly depending on the program from which you are printing. Graphic design programs like *Photoshop* or *Illustrator* may have extra settings which are not included in the examples below.

Attention

The DS40, DS80, DS620, and RX1 printer control panels are all similar, but will present different sets of paper sizes for each respective printer.

Exploring the Control Panel

1. From the **Printer Settings** drop-down menu (8), select the **DNP Printer Features** option.
2. By clicking the **Color**, **Image, or Default** buttons, you can toggle between the **Color**, **Image, or Default** control panels.
3. Use the following procedures to learn more about each of the control panels.

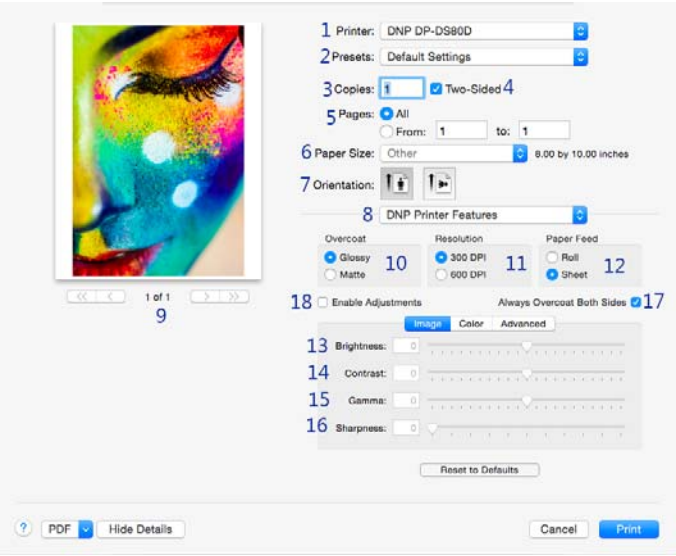
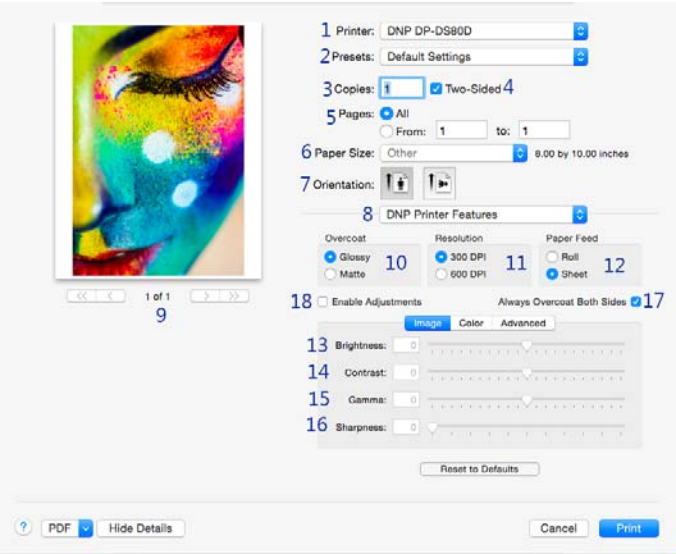


Image Settings

Use the table below to identify the settings available on the image table.

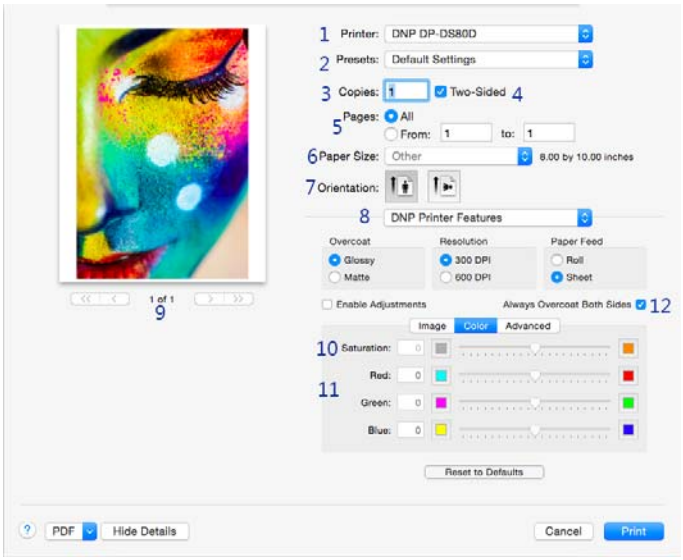


NUMBER	DESCRIPTION
1	Selected Printer*
2	Preset Selection
3	Copies
4	Duplex (Two-Sided) Setting++
5	Print Pages: all/selection
6	Paper Size*
7	Paper Orientation
8	Printer Settings
9	Preview Window
10	Overcoat type: Glossy/Matte
11	Resolution (300x300 dpi - DO NOT CHANGE)
12	Paper Feed (Sheet option is for Duplex Only.)
13	Brightness
14	Contrast
15	Gamma
16	Sharpness
17	Overcoat Duplex Setting++
18	Enable Adjustments

*Selecting a different printer, such as the DS80 or DS80D or RX1, changes some of the options (paper size).
++Only available with duplex printers.

Color Settings

Use the settings on the **Color** panel to change any color attributes in your images. Any changes you make are applied to all images that are printed during that print session. Changes are saved between sessions and can be altered at any time.



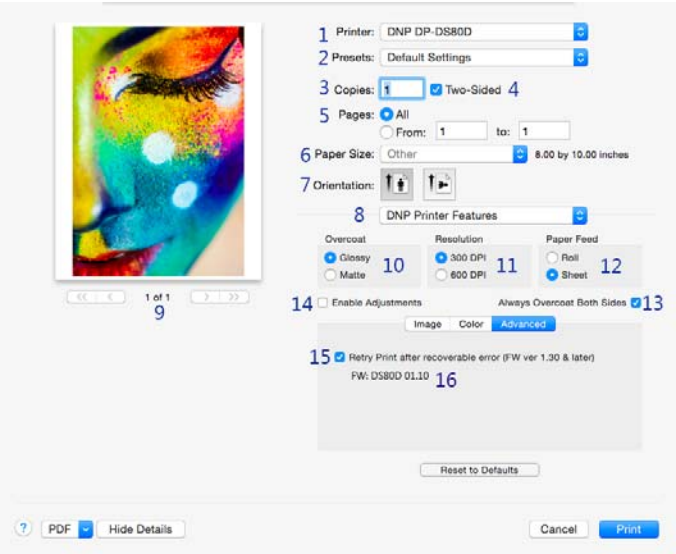
NUMBER	DESCRIPTION
1	Select Printer*
2	Preset Selection
3	Copies/Collated
4	Duplex (Two-Sided) Setting++
5	Print Pages: all/selection
6	Paper Size
7	Paper Orientation
8	Printer Settings
9	Preview Window
10	Saturation levels
11	Color Controls (Red/Green/Blue)
12	Overcoat Duplex Setting++

*Selecting a different printer, such as the DS40, changes some of the options (paper size, duplex) accordingly.

++Only available with duplex printers

Advanced

By clicking the Advanced button, you can turn on a feature to re-print the last photo if the media runs out during printing. (Available only with printer firmware version 1.30 or higher)



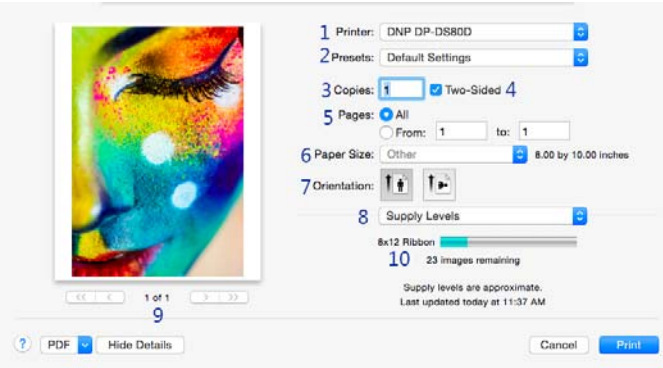
NUMBER	DESCRIPTION
1	Selected Printer*
2	Preset Selection
3	Copies
4	Duplex (Two-Sided) Setting++
5	Print Pages: all/selection
6	Paper Size*
7	Paper Orientation
8	Printer Settings
9	Preview Window
10	Overcoat type: Glossy/Matte
11	Resolution (300x300 dpi - DO NOT CHANGE)
12	Paper Feed (Sheet option is for Duplex Only.)
13	Enable Adjustments
14	Overcoat Duplex Setting++
15	Retry Printing last print after error
16	Firmware version

*Selecting a different printer, such as the DS40, changes some of the options (paper size, duplex) accordingly.

++Only available with duplex printers

Supply Levels

Change the printer settings drop-down menu to **Supply Levels** to check how many ribbon panels are left on the currently selected printer.



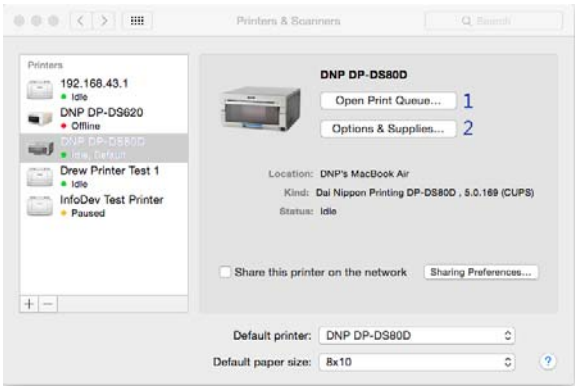
NUMBER	DESCRIPTION
1	Select Printer*
2	Preset Selection
3	Copies/Collated
4	Duplex (Two-Sided) Setting++
5	Print Pages: all/selection
6	Paper Size
7	Paper Orientation
8	Supply Levels
9	Preview Window
10	Ribbon Remaining Estimate

*Selecting a different printer, such as the DS40, changes some of the options (paper size, duplex) accordingly.

++Only available with duplex printers

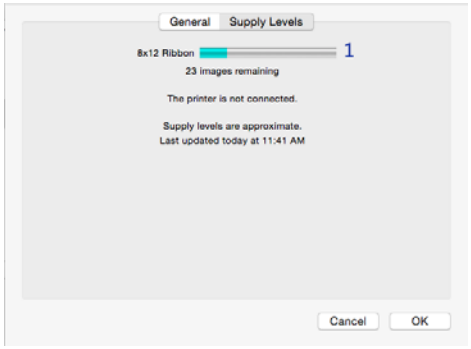
Accessing the Panels from the Printers window

If you are viewing the printer properties, use these options below.



NUMBER	DESCRIPTION
1	Opens the print queue.
2	Opens a new window with supply level information and driver version information.

Pressing the **Options & Supplies** button opens the following screen:

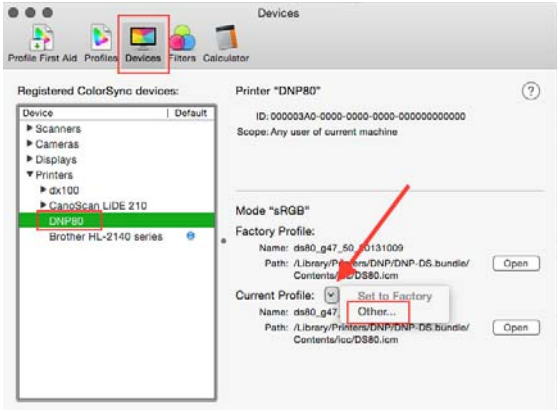


NUMBER	DESCRIPTION
1	Approximate Ribbon Prints Remaining

Changing the ICC Profiles

Use the following procedure to change the ICC profiles assigned to your printer.

1. From Finder, select **Applications** and then select **Utilities**.
2. Select **ColorSync Utility**.
3. Click the **Devices** header.
4. Select the **DNP** printer for which you wish to change the ICC profile.
5. From the **Current Profile** drop-down menu, select **Other**.



6. Select the desired ICM file.
7. Click **Open**.
8. The new ICC profile is now displayed.

5

DS620/620A iSerial Tool

Attention

This tool is meant to be used on the DS620 and the DS620A printers only. Installing this tool for use with any other printer can cause driver malfunctions and void your warranty.
The iSerial Tool is considered to be in beta release.

About the iSerial Tool

The DNP iSerial Tool is used to enable the iSerial functionality within the DS620/620A printer firmware. This facilitates proper functionality with the Mac driver for OS-X 10.9.4 and later. The DNP dye sublimation printers used on Mac OS 10.9.4 and later may experience the following known issues when using the DNP IAM printer driver:

- A single attached printer will not reflect an accurate status in the driver.
- When two printers of like configuration (same media loaded) are attached, the driver will recognize the first printer attached. The other printer will show offline.

This is due to the fact that the printer cannot report its serial number to the operating system. The DS620A has the ability to report its serial number; however, it is shipped from the factory with this option disabled in the firmware. The DS620/620A iSerial Enable Tool is used to enable the iSerial functionality within the DS620/620A printer firmware. This facilitates proper functionality with the Mac driver for OS-X 10.9.4 and later, correcting the issues listed above.
The tool can be downloaded from the DNP Photo website at http://www.dnpphoto.com/Support/Downloads/DriversTools.aspx. It is located in the Printer Drivers for Mac section. One the file is downloaded, extract the compressed files before use. Installation instructions are included in the downloaded file and are shown below.

Enabling iSerial Functionality

To enable the iSerial functionality with your DS620/620A printers:

9. Connect and turn your DS620/620A printer(s) on.

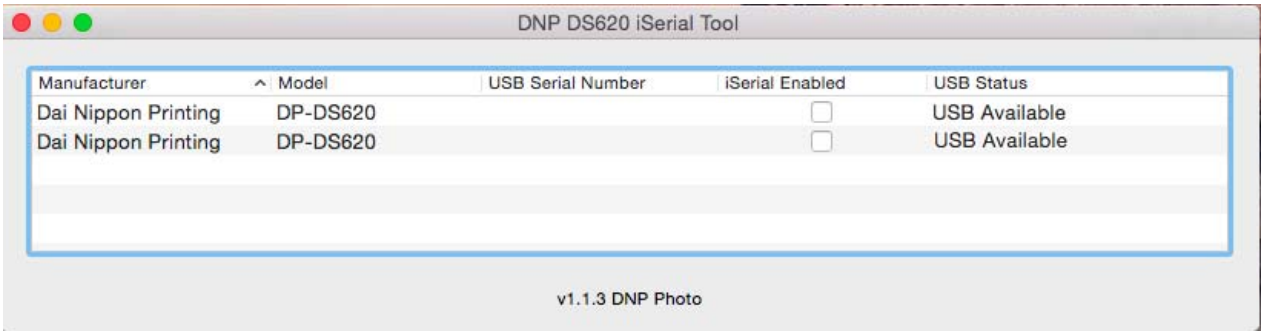
Attention

Your printer(s) must be powered on for the tool to recognize/update them. The iSerial Enable Tool can recognize up to five (5) DS620/620A printers simultaneously. You may use the DNP iSerial Tool with or without having the Mac driver installed.

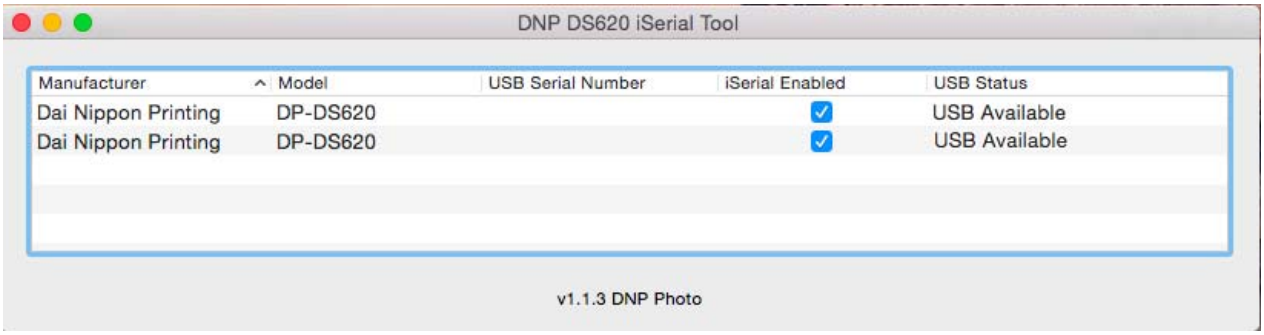
10. Unzip the DNP iSerial Tool.

11. Once unzipped, double-click the tool's icon.

12. Upon opening, the tool is populated with information associated with your printers, including the USB Serial Number of your DS620/620A printer(s) and whether the iSerial functionality is enabled/disabled. The USB Serial Number will not appear if the iSerial functionality is not enabled.



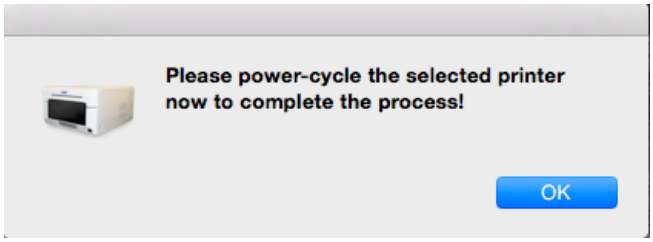
13. To enable your printers, select the **iSerial Enabled** checkbox for each printer.



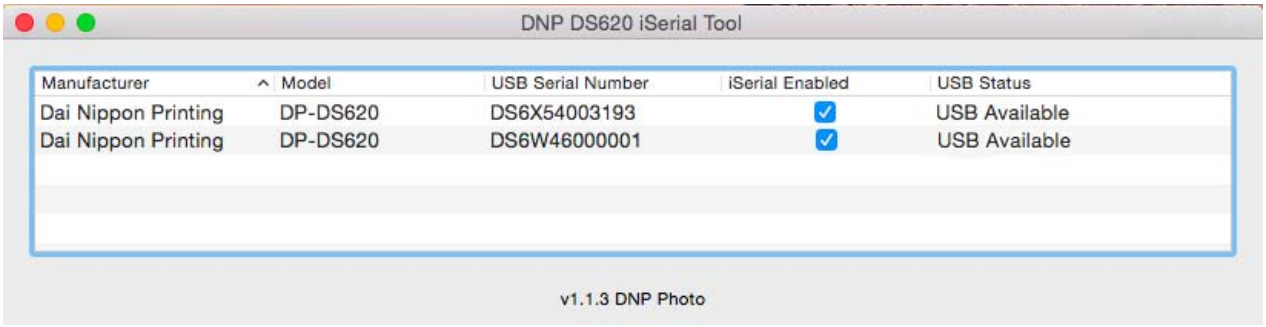
Note

Before selecting the **iSerial Enabled** checkbox, your printer(s) must be available, i.e. not printing images, etc. To verify that your printer is available, check the **Status** column in the iSerial Enable Tool.

14. Upon selecting the **iSerial Enabled** checkbox, you are prompted to reboot your printer(s). Turn your DS620/620A printer off, and then turn it back on. Then click **OK** on the dialog box.



15. Repeat steps 5 and 6 for each printer.



Note

If you deselect the **iSerial Enabled** checkbox, the iSerial functionality is disabled for the associated printer.

16. Once the appropriate changes have been made, close the iSerial Enable Tool before sending images to the printers.

Changing Languages

To change the language displayed in the DNP iSerial Tool, you need to do so from the **Language & Region** screen, which is accessed through the OS-X **System Preferences** screen on your Mac PC.

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