



PRINT UTILITY

Hot Folder Print v2.0

User Guide

CONTENTS

1. Before You Begin...

Documentation Conventions	5
Text Elements	5
Text Treatments	5
Important Safety Instructions	5
General Safety Precautions	6
WARNING: FCC Statement to the User	6

2. What is Hot Folder Print?

System Requirements	9
Accepted Image Files	10
If You Used Hot Folder Print v1.0... ..	10
Installing Hot Folder Print v2.0	10
What's New in this Version of Hot Folder Print?	10

3. Using Hot Folder Print

Opening Hot Folder Print	11
Identifying the Application Icons	12
Hot Folder Print Dashboard	13
Dashboard Tour	13
Accessing Printer-Specific Information	14
Determining Your Print Mode	15
Image Import Mode	16
Activating Image Import Mode	16
Import Image Mode Tour	17
Using Image Import Mode to Print	17
About Aspect Ratios	20
Drag and Drop Mode	21
Activating Drag and Drop Mode	22
Using Drag and Drop Mode to Print	22
Using Drag and Drop Mode with Duplex Prints	23

4. Changing the Hot Folder Print Settings

Accessing the Administrative Tabs	25
Touring the Settings Tab	26
Making Changes to the Settings Tab	26
Touring the Color Tab	27
Making Changes to the Color Tab	27
Touring the Borders Tab	28
About New Borders	28
Importing New Borders	29
Editing Existing Borders	30
Touring the ICM Tab	30
Importing an ICM File	30
Touring the About Tab	31
5. Duplex Print Integration	
Accepted Image Files	33
Duplex Printing Specifications	33
Application Folder Locations	33
Print File Naming Conventions	34
6. Troubleshooting Hot Folder Print	
Problems Installing the Software	35
Problems Running Hot Folder Print	36
Problems Printing Images	36

Before You Begin...

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.

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 for 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. The items may be conductors of electricity or may get caught in the unit and cause injury.
- ❖ Never insert any foreign object into the system.
- ❖ 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 IAM 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.

WARNING: FCC Statement to the User

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

Acknowledgments

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What is Hot Folder Print?

Hot Folder Print™ (or HFP) is an application that monitors system folders for compatible image files to send to an attached DNP printer for output. The folders are named according to the size print that will be produced. HFP prints your specified number of copies of each image and then moves the image file to an archive folder. HFP supports adding borders to prints using the HFP Admin controls. HFP is designed to work with only DNP DS and RX series printers.

Hot Folder Print Utility supports multiple languages.

System Requirements

PC	Windows 8, Windows 7
	.NET version 4.5
	2 GB Ram or greater
	1024 x 768 video resolution or greater
	20 GB of free disk space
Printers	DS40
(sold separately)	DS80
	DS80-DX
	RX1
Print Size	DS40 4"x6", 5"x7", 6"x8", 6"x9"
	DS80 8"x10", 8"x12"
	RX1 4"x6", 6"x8"
	DS80-DX 8"x10", 8"x12", 8"x10.75", 8"x10.5"



Note

Hot Folder Print automatically loads your print sizes when you use the image import mode. Only print sizes that are available with your media are shown.

Accepted Image Files

The following image types are accepted in this version of Hot Folder Print:

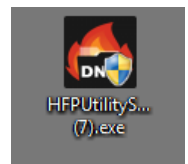
- ❖ JPG/JPEG
- ❖ TIF/TIFF
- ❖ PNG
- ❖ BMP

If You Used Hot Folder Print v1.0...

If you used the previous version of Hot Folder Print, you can still install the current version on your PC. The new version is installed using a different folder structure, so your Hot Folder Print v1.0 is still available for use. However, DNP Imagingcomm America Corporation does not recommend running both versions of Hot Folder Print at the same time on the same system. Doing so can cause printing errors as well cause the software to malfunction.

Installing Hot Folder Print v2.0

After you have copied the installation file to your system, simply double click the icon to begin the installation wizard (*icon shown at right*). Follow the on-screen prompts to finalize the installation and begin using the software.



What's New in this Version of Hot Folder Print?

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

- ❖ **New User Interface.** Hot Folder Print shows you the status of your printers with a new, modern interface that also highlights error and warning conditions for ease of use. The new interface also allows you to select a print size, change the order of the prints (necessary for duplex printing), and to easily make changes to color and other configuration settings. Now it's even easier than ever to see when your system is running low on media thanks to the new status dashboard.
- ❖ **Duplex Printing.** Hot Folder Print now supports printing to DNP DS80-DX duplex printers.
- ❖ **High Resolution Print Support.** Now you can print your images in 300x600 dpi.
- ❖ **Print Finish Selection.** Select between matte or glossy prints.
- ❖ **Enhanced Color Settings.** Now, Hot Folder Print supports more color control for your prints. You can configure RGB, gamma, brightness, saturation, and sharpness settings as needed.
- ❖ **Custom Media Thresholds.** Using the new customizable media thresholds, you can set when your software returns a warning or error status when you are running low on media.
- ❖ **Easier ICM Support.** Using the new interface it is now easier than ever to load new ICM files.
- ❖ **Supports multiple printers.** This version of Hot Folder Print allows support for up to 6 DS or RX series printers (including the DS80-DX printer).
- ❖ **Two printing modes.** Switch between drag and drop (folder) mode or the new image import mode (user interface).
- ❖ **Expanded language support.** Supports English, Latin American Spanish, Brazilian Portuguese, and Canadian French.

Using Hot Folder Print

Use the following information to tour the Hot Folder Print interface and get to know the application. By using the intuitive interface, you can print photos quickly and with ease.

Opening Hot Folder Print



Note

Before starting Hot Folder Print, make sure your DS or RX series printer is connected to your system via USB, and powered ON. You may need to install the printer driver before your printer shows on your computer.

1. Double-click the **Hot Folder Print** icon on your desktop to start the Hot Folder Print Utility.








Figure 1. HFP icon

2. HFP starts open on the system desktop.

Identifying the Application Icons

Use this section to identify the different buttons and icons that are used throughout the software application.

Icon	Name	Description
	Back	Returns you to the previous screen.
	Save	Saves the changes you made.
	Print	Access the print workflow.
	Import Image	Opens folder to import images.
	Undo Changes	Returns the screen values to the defaults.
	Import Border	Opens folder to import borders.
	Edit Border	Opens border edit screen.
	Drag and Drop	Opens the drag and drop folders.
	Settings	Opens the admin screens.
	Delete/Exit	Deletes the selected item (borders) or exits the screen/application.

Hot Folder Print Dashboard



Figure 2. Main dashboard

With the new user interface, you can see the status of your system at a glance. The main HFP dashboard gives you a quick view of the attached printers, the printer status, and how many prints are remaining in the current media set. Use the dashboard as your main operating screen as you can access all parts of the HFP interface from the main dashboard.

Dashboard Tour

The following section explains the buttons, or *icons*, used on the main dashboard. Use this section to identify the icons and to better understand the Hot Folder Print application.

- ❖ **Printer List** - The printer list is shown in the middle of the screen. Allows you to easily view important information about your attached printers.
The list displays the printer type, printer status, current media loaded, and remaining prints for each printer you have attached to the system. The printer list is also color coded:
 - ◆ **Light Green:** idle printer status
 - ◆ **Dark Green:** printing status
 - ◆ **Yellow:** warning status
 - ◆ **Red:** error status
- ❖ **Settings Button** - Pressing the settings button accesses the administrative screens.
- ❖ **Print Button** - Opens the print workflow window.
- ❖ **Drag and Drop Button** - Only shown when drag and drop mode is activated. Used to open the print size folders.
- ❖ **Pause/Play Buttons** - Toggles between all orders being paused or active.
- ❖ **Application Control Buttons** - As with most applications, Hot Folder Print allows you to minimize or close the application using the buttons in the top right corner.

Accessing Printer-Specific Information

Need to see information about one of your printers? The printer info box shows information about your printer at a glance.



Figure 3. Printer info box

1. You can view the printer info box for each printer by clicking that printer on the main dashboard.
2. The following is reported for each printer attached to your system:
 - ◆ **Printer:** Printer type (DS40, DS80, RX1)
 - ◆ **Status:** Current status of the printer (Idle, Printing, Error, etc).
 - ◆ **Sheets Remaining:** # of prints left on the media
 - ◆ **Serial Number:** Serial number of the printer
 - ◆ **Firmware:** Firmware installed
 - ◆ **CVD:** Firmware color configuration file
 - ◆ **Media Type:** Size of media installed
 - ◆ **Life Counter:** Total # prints run through lifetime of the printer.
 - ◆ **Matte Counter:** Number of matte prints the printer has run in the lifetime of the printer.
 - ◆ **ICM File:** Name of the ICM file in use.
3. Press the **X** to close the info box and return to the main dashboard.

Determining Your Print Mode

There are two print modes in this version of HFP. How you plan to use the Hot Folder Print application determines which print mode you should enable.

- ❖ **Image Import Mode (Default)** – The image import mode is the default print mode offered when HFP is installed. By using this print method, you are able to choose your images and arrange the print order within the HFP application before you begin printing. This allows you to see thumbnail previews of your images before you print and control the order in which your photos are printed. By using the image import mode of printing, you can also choose when to print your images.
- ❖ **Drag and Drop Mode** – Drag and Drop, or *folder explorer* mode, was the print method used in previous versions of HFP. Enabling this print method allows you to drag – or copy – your images from anywhere on your system to the print size folders within the Hot Folder Print folder structure. This method is preferable for users who do not have a print order preference or for users who are using HFP as a print engine for other photo applications. When using the drag and drop mode, all images are printed as soon as the images are pasted into the print size folder. For information on enabling the drag and drop print mode, see “Activating Drag and Drop Mode” on page 22.



Note

Keep in mind that the drag and drop actions are defined by Windows. This means that dragging images to a print size folder will cause a cut and paste action - *not a copy and paste action* - and your image is removed from the original folder location. The simple way to avoid this is to always use a copy/paste action instead of a cut/paste action.

Image Import Mode

Image import mode is the default print method when you install HFP. By using the image import print mode, you can arrange the print order of your images, delay printing (by staying on the print screen), and view thumbnails of the images before you print. You can verify that image import mode is active by the printer icon in the lower right corner of the main dashboard.

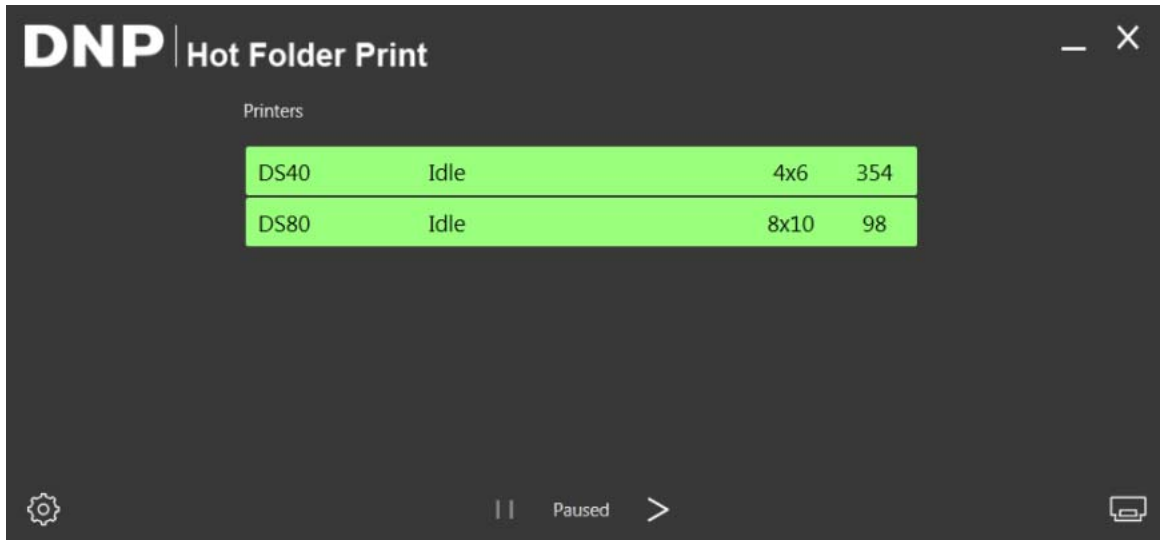


Figure 4. Image import mode dashboard

Activating Image Import Mode

1. Press the **Settings** icon on the main dashboard. The settings administration tab opens.

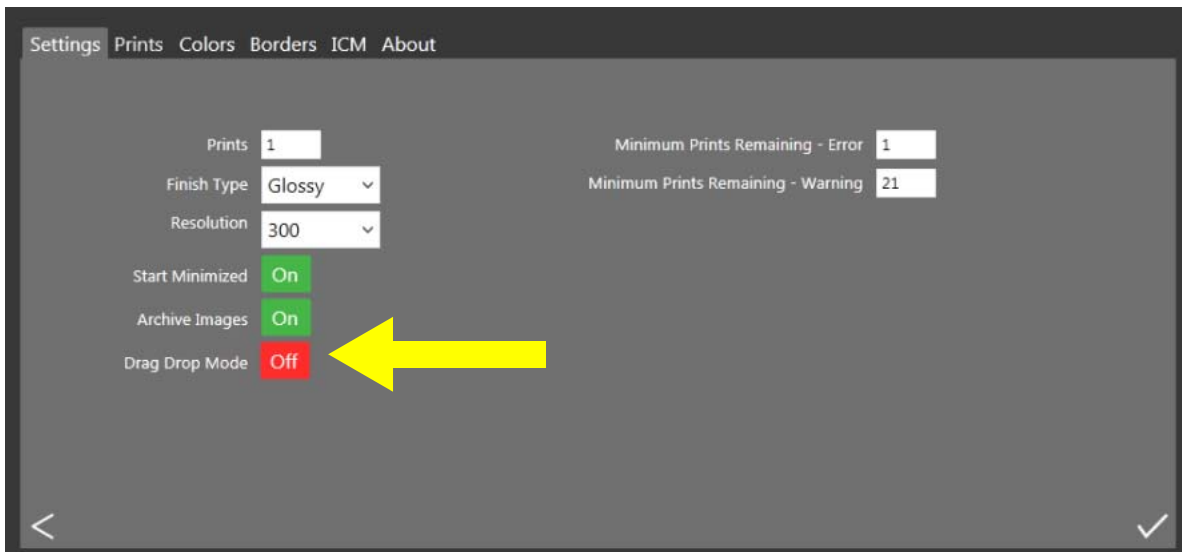


Figure 5. Settings tab

2. On the Settings tab, toggle the **Drag and Drop** option to **OFF**.
3. Press the **Save** button to save your changes.

4. Press the **Back** button to return to the main dashboard.

Import Image Mode Tour

Use this section to learn about the image print screen.



Attention

Thumbnails are shown in the original image size, not the selected print size. If necessary, Hot Folder Print performs a center crop on images to obtain the necessary aspect ratio for the selected print size. For more information, see “About Aspect Ratios” on page 20.

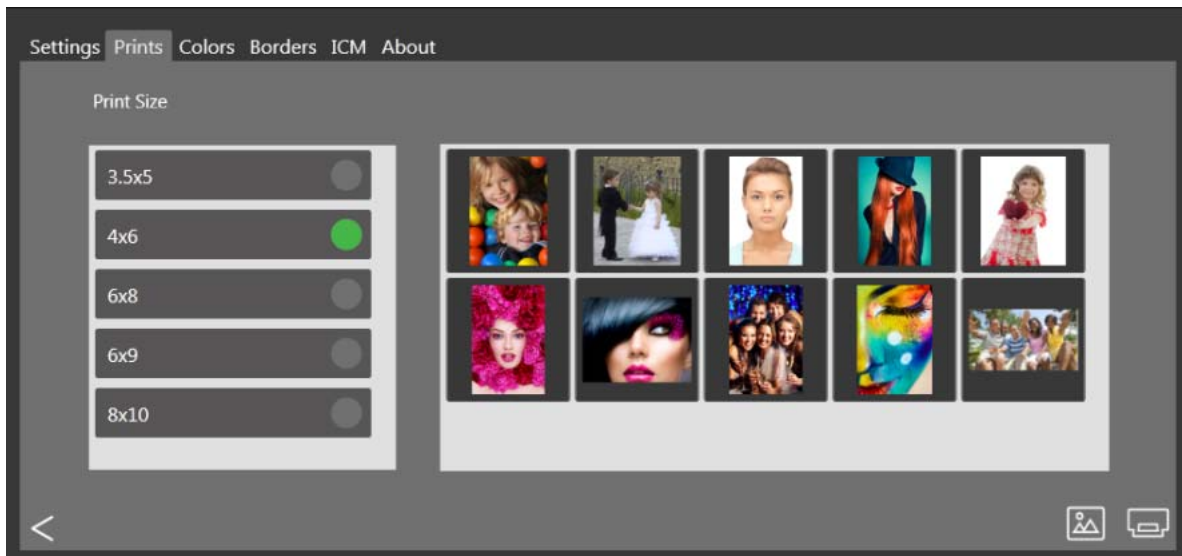


Figure 6. Image print screen

- ❖ **Image Thumbnails:** All images that have been loaded for the current print session are displayed in the thumbnail panel.
- ❖ **Print Sizes:** Only print sizes that are available for the attached printers are shown. If the print size has a “d” after it, this signifies a duplex media option.
- ❖ **Image Import Button:** Opens the image import window.
- ❖ **Print Button:** Prints all of the images that are shown in the thumbnail panel.

Using Image Import Mode to Print

1. From the main dashboard, press the **Print** button in the lower left corner of the application. The image print screen opens.

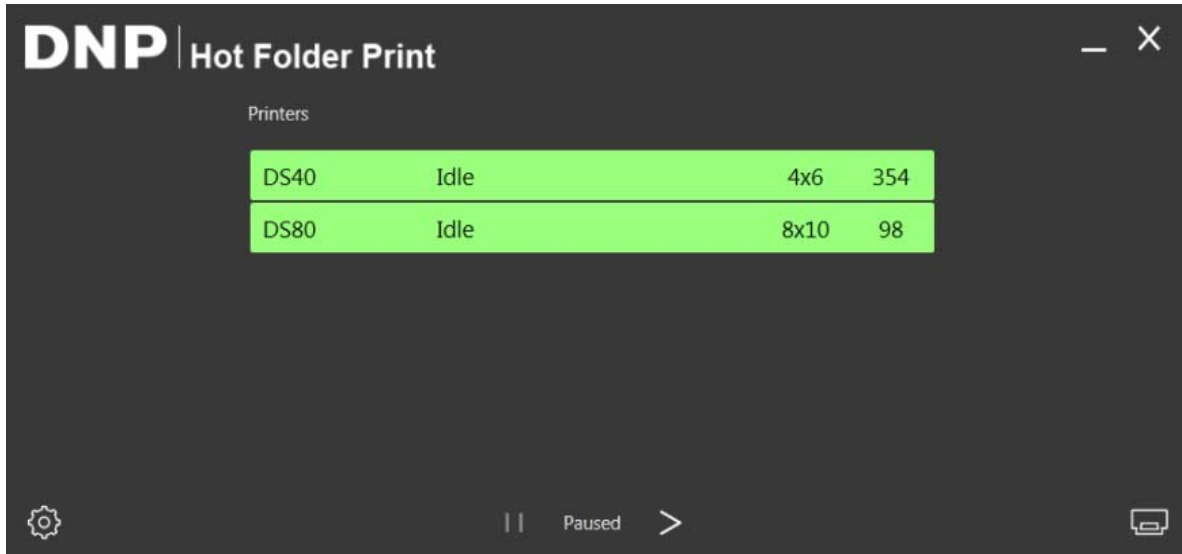


Figure 7. Dashboard

2. Select your **print size**. A green dot appears next to the selected print size.



Figure 8. Selected print size



Note

You can only print one print size for each print session. If you need to print more than one size, simply create another print session for each of the other print sizes.

3. Press the **Image Import** button. An explorer window opens.

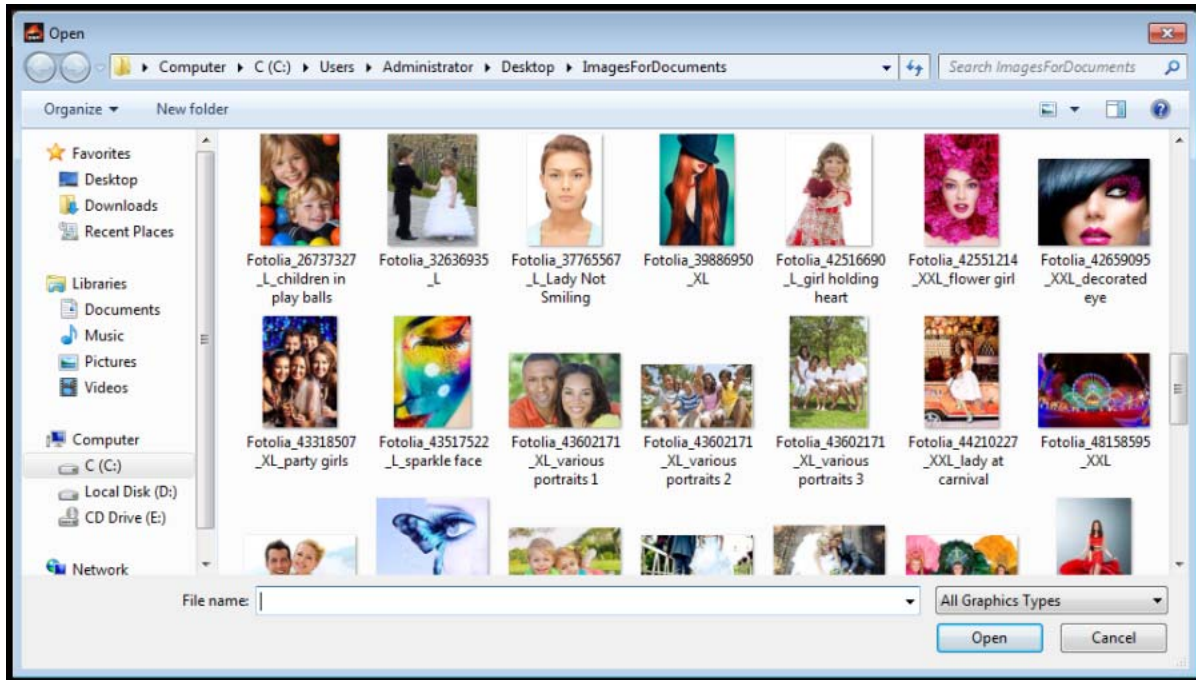


Figure 9. Explorer window

4. Browse to and select your images. Press the **Open** button in the explorer window to load the selected images.

Note

You can select multiple images by holding down the **Control** key on the keyboard and selecting the images.

5. With the images loaded on the HFP print screen, you can drag the images to switch the print order.

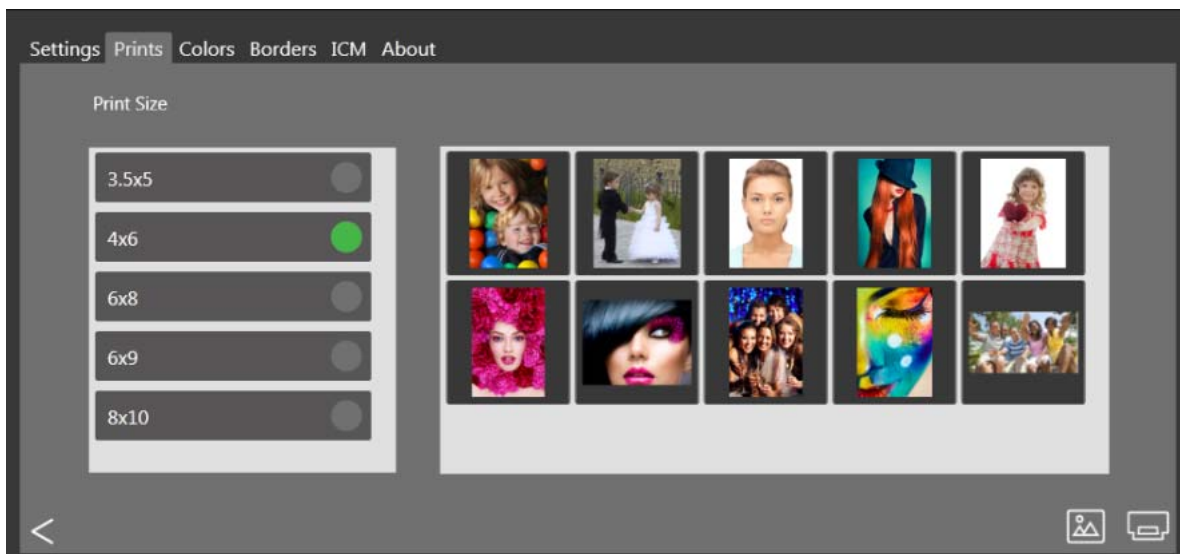


Figure 10. Loaded images

6. When you have arranged the images in the desired print order, press the **Print** button to print your images.
7. Press the **Back** button to return to the dashboard and monitor your printers. The printer that is engaged turns dark green in the printer list.

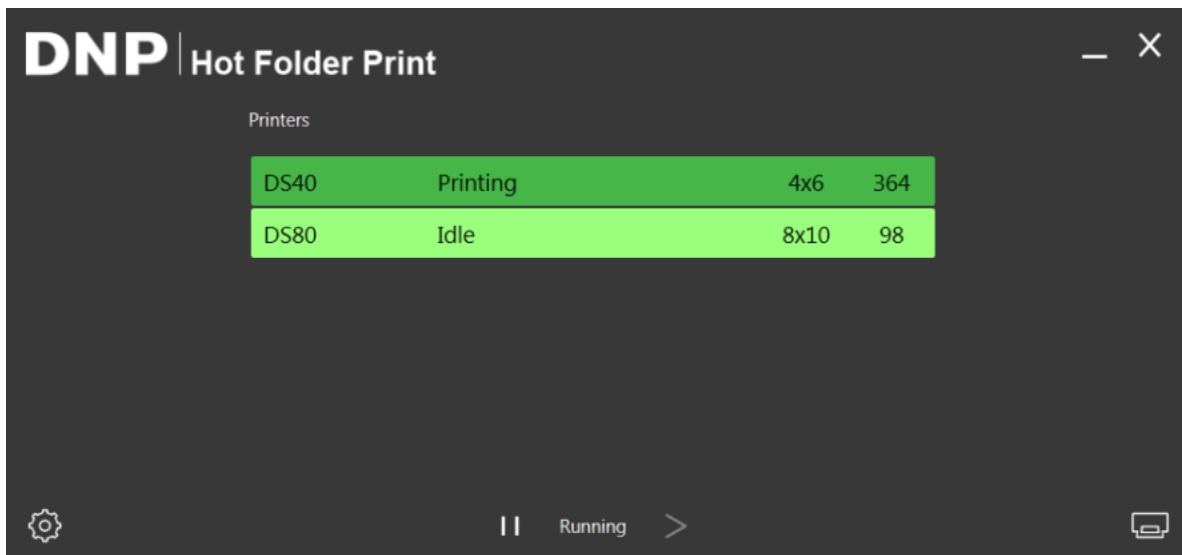


Figure 11. Printing status

About Aspect Ratios



Figure 12. Aspect Ratios of 4x6, 5x7, 8x10, and 4x4 on the Same Image

The aspect ratio is the ratio of the width to the height of an image. The aspect ratio of your images depends on the source of those images. Different imaging devices (cameras, scanners, printers, software) use different aspect ratios. For example, the aspect ratio of 35mm film cameras is 1:1.5.

Depending on how the original aspect ratio compares to the targeted print aspect ratio, when you convert a picture from one aspect ratio to another, you must crop either the height or the width of the photo.

Images are cropped because, in many cases, the aspect ratio must be changed to fit a standard print size, meaning the proportion of height to width must be changed. Forcing an image with one aspect ratio to fit in a print size of another aspect ratio results in the image becoming distorted, making the image look stretched or compressed. Cropping an image is almost always more desirable than distorting an image.

The aspect ratios for some standard image sizes are shown below. Some digital cameras or imaging devices allow you to select the aspect ratio of your images. To verify if this option is available, consult your digital camera documentation.

Aspect Ratios of Common Image Sizes

Image Size (Image Height / Image Width)	Aspect Ratio
4 x 6 Print [inches]	1:1.5
5 x 7 Print [inches]	1:1.4
8 x 10 Print [inches]	1:1.25
640 x 420 [pixels]	1:1.5
1024 x 680 [pixels]	1:1.5
1152 x 820 [pixels]	1:1.4
1600 x 1280 [pixels]	1:1.25
2000 x 1570 [pixels]	1:1.27
Many Digital Cameras	1:1.33



Note

Aspect ratio is not the same as image size.

Drag and Drop Mode

Drag and drop mode can be verified by locating the folder, or file, icon in the lower right corner of the application.

Drag and drop mode monitors certain directories, or folders, for image files. Once image files are detected, those images are printed on the next available printer for that print size.

Placing an image file in any of the following print size directories results in prints of that print size. The following is the location of the print size folders:

<I nstal l Di r>\Hot Folder Print\Prints

where <I nstal l Di r> is the directory where the Hot Folder Print application is installed.

- ❖ **3_5x5** – Location for 3.5x5 print sizes to be sent to appropriate printers.
- ❖ **4x6** – Location for 4x6 print sizes to be sent to appropriate printers.
- ❖ **5x7** – Location for 5x7 print sizes to be sent to appropriate printers.
- ❖ **6x8** – Location for 6x8 print sizes to be sent to appropriate printers.
- ❖ **6x9** – Location for 6x9 print sizes to be sent to appropriate printers.
- ❖ **8x10** – Location for 8x10 print sizes to be sent to appropriate printers.

- ❖ **8x10_50D** – Location for 8x10.5 duplex print sizes to be sent to appropriate printers.
- ❖ **8x10_75D** – Location for 8x10.75 duplex print sizes to be sent to appropriate printers.
- ❖ **8x10D** – Location for 8x10 Duplex print sizes to be sent to appropriate printers.
- ❖ **8x12** – Location for 8x12 print sizes to be sent to appropriate printers.
- ❖ **8x12D** – Location for 8x12 duplex print sizes to be sent to appropriate printers.

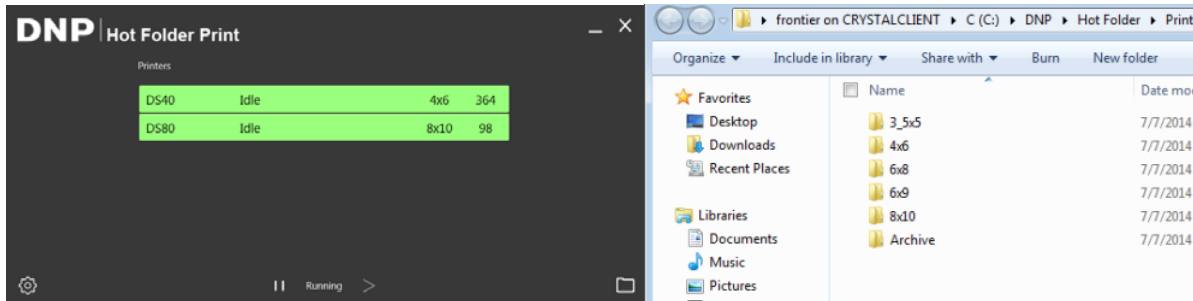


Figure 13. Drag and drop mode

Activating Drag and Drop Mode

8. Press the **Settings** icon on the main dashboard. The settings administration tab opens.

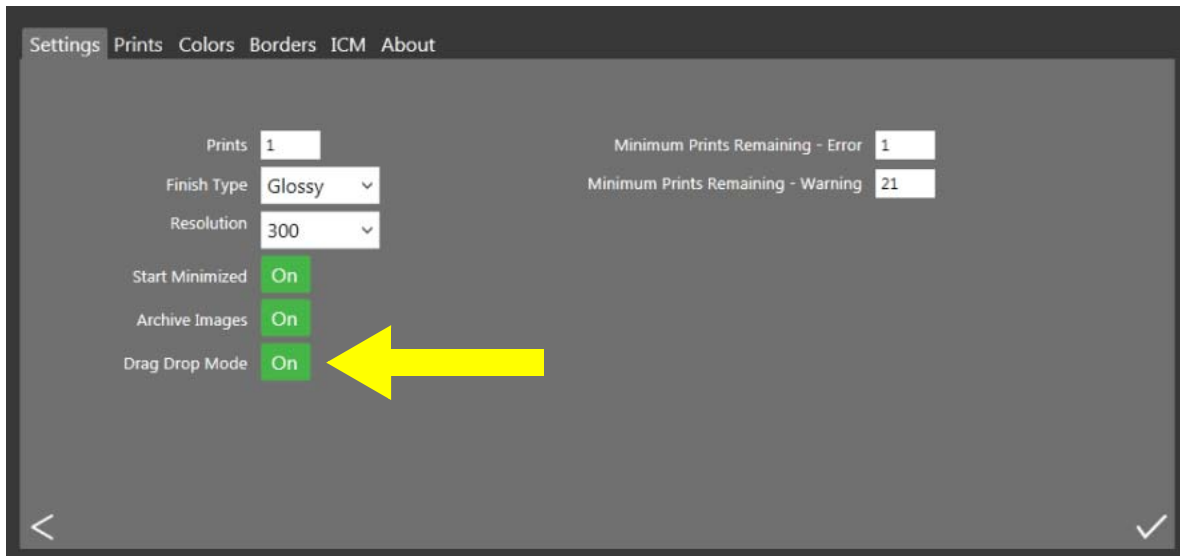


Figure 14. Settings tab

9. On the Settings tab, toggle the **Drag and Drop** option to **ON**.
10. Press the **Save** button to save your changes.
11. Press the **Back** button to return to the main dashboard.

Using Drag and Drop Mode to Print

1. Touching the **folder icon** in the lower right corner opens the monitored folders in Windows Explorer. The folder browser allows you to select the HFP print size.

2. Copy an image into a folder and it is automatically sent to the printer. The name of the folder indicates the print size.

 Note

While the print mode is called “drag and drop” it is suggested that you **copy and paste** your images into the appropriate print size folder. By dragging and dropping your images, you are performing a Windows cut and paste action that removes your images from the original location. Because of the Windows cut and paste action, archive images is always turned ON when drag and drop mode is active.

3. You can select from the following sizes:

- ❖ 3.5 x 5”
- ❖ 4 x 6”
- ❖ 5 x 7”
- ❖ 6 x 8”
- ❖ 6 x 9”
- ❖ 8 x 10”
- ❖ 8 x 12”

Using Drag and Drop Mode with Duplex Prints

It is recommended that you use image import mode when printing duplex prints to avoid any issues with print ordering. If you are printing duplex, or double sided, images, when using drag and drop mode you must use specific naming conventions to specify the order of the prints within the print job. For more information, see “Duplex Printing Specifications” on page 33.

Changing the Hot Folder Print Settings

As you set up Hot Folder Print for use the first time, there are some initial configuration changes you will make to ensure the system runs best for your use. If at any time you want to make changes to your initial configuration, simply open the admin screens again and make your changes.

Note

When you make changes on the administrative tabs, the changes are applied to all prints. For instance, if you change the color settings, those changes are applied to any print you make. You can always reset the values to the defaults by clicking the **Undo Changes** button.

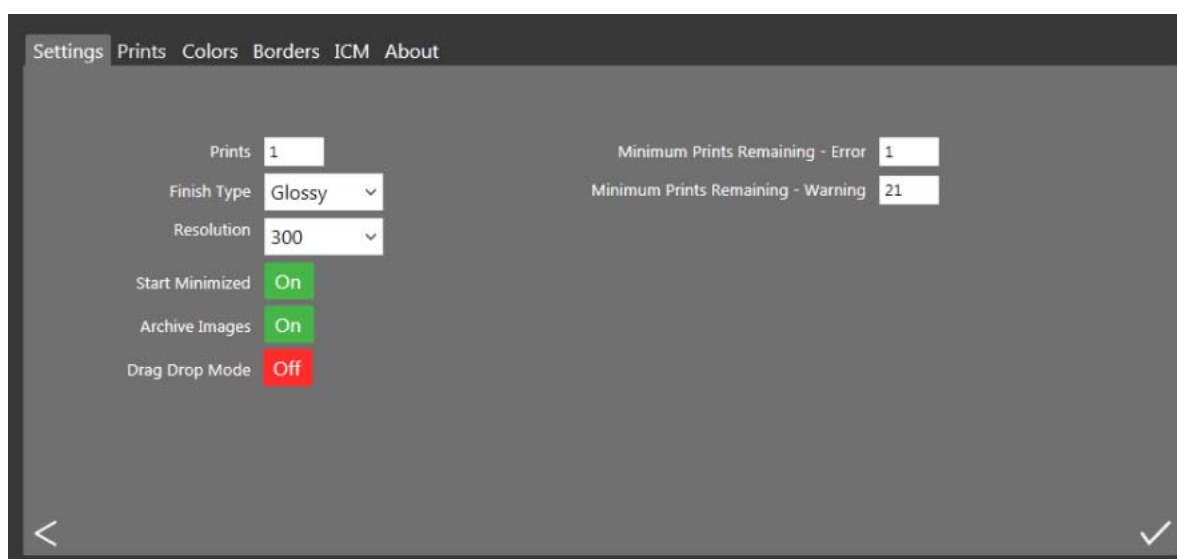


Figure 15. Settings tab

Accessing the Administrative Tabs

1. To change settings in Hot Folder Print, you access the administrative functions by clicking the settings, or **gear**, icon.
2. This opens the Settings Tab and allows you to browse to the Color, Borders, ICM, and About tabs if needed.
3. For your convenience, the Prints tab is also accessible from the admin screens. This allows for easy printing when needed.

Touring the Settings Tab

The options on the settings tab allow the application to be configured for your needs.

- ❖ **Prints:** Set the quantity of prints that are printed for each image. For example, if you want to offer double prints, you set the quantity to 2.



Note

If you are using a duplex printer, only one copy is printed regardless of the print setting on the Settings tab.

- ❖ **Finish Type:** Change between matte and glossy finish types for the print session.
- ❖ **Resolution:** Switch between the standard 300x300 dpi resolution or the higher 300x600 resolution
- ❖ **Start Minimized:** Starts the application minimized in the task bar.
- ❖ **Archive Images:** Automatically saves a copy of the image to the archive folder.
- ❖ **Drag and Drop:** Activates drag and drop print mode.



Attention

If drag and drop mode is activated, or ON, then images are automatically archived after printing.

- ❖ **Minimum Prints Remaining - Error:** Sets the threshold for when the printer status bar turns red to indicate an out of media state.
- ❖ **Minimum Prints Remaining - Warning:** Sets the threshold for when the printer status bar turns yellow to indicate a nearly out of media state.

Making Changes to the Settings Tab

1. When needed, make any configuration changes to the settings tab.
2. To save your changes, press the **Save** button in the lower right corner.
3. Press the **Back** button to return to the dashboard.

Touring the Color Tab

Make universal changes to the color settings to the application from the color tab. Any changes you make are applied to all prints until you either revert the changes or make other changes.



Figure 16. Color tab

- ❖ **Use ICM:** Selects whether you use the ICM specified on the ICM tab.
- ❖ **Use Auto Color Correction:** Applies automatic color correction to all images. Can be turned ON or OFF.
- ❖ **Color Setting Drop-Down Menu:** Select between changing the RGB, Gamma, Brightness, or Contrast values.
- ❖ **Sync Channels:** Causes changes to be applied across all three color channels simultaneously.
- ❖ **Color Sliders:** Changes the red, green, or blue channel settings.
- ❖ **Saturation Slider:** Changes the saturation values for all images.
- ❖ **Sharp Slider:** Can increase or decrease sharpness in all images.

Making Changes to the Color Tab

1. When needed, make any configuration changes to the color tab.
2. To save your changes, press the **Save** button in the lower right corner.
3. If you want to revert, or undo all of your changes, press the **Undo Changes** button. This reverts the changes to the default settings when your software was installed.
4. Press the **Back** button to return to the dashboard.

Touring the Borders Tab

Use the borders tab to add your selected border to all of your prints. You can also edit existing borders and add new borders.

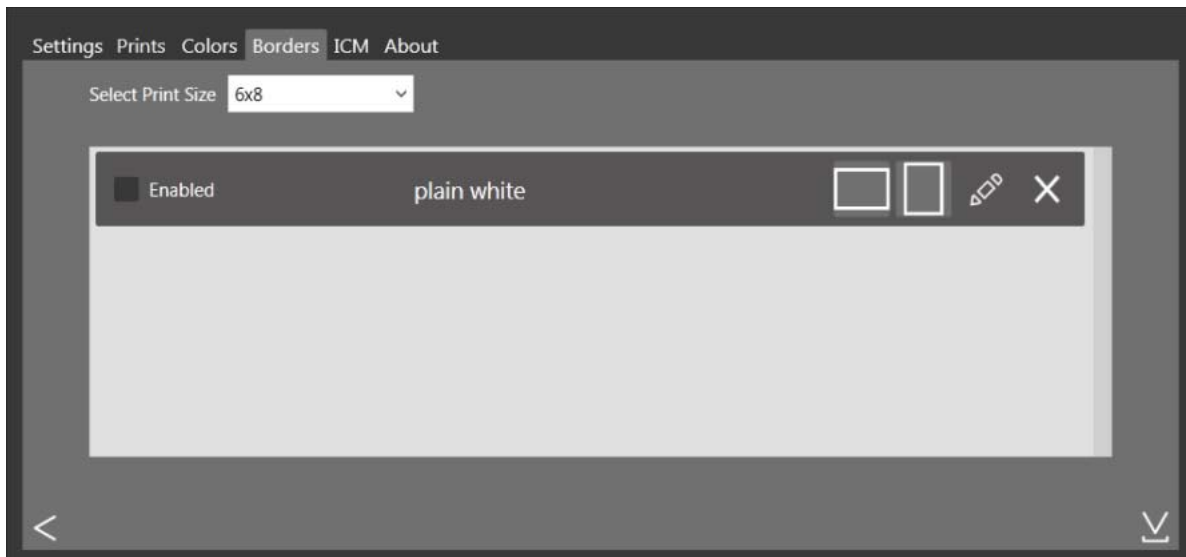


Figure 17. Borders tab

- ❖ **Select Print Size:** Use the drop-down to select the desired print size.
- ❖ **Enabled/Disabled Checkbox:** You can enable one border per print size for each print session.
- ❖ **Edit Button:** Edit the image space in the existing borders.
- ❖ **Delete Button:** Delete the existing borders.
- ❖ **Import Button:** Import new borders. Opens the import workflow.

About New Borders

Borders must meet the following criteria:

- ❖ **File Format:** PNG only.
- ❖ **Orientation:** Both horizontal and vertical borders must be loaded for each new border.
- ❖ **Naming:** [name]_o.png where [name] is the name of your border, and o is the border orientation.
- ❖ **Size:** Full size for that print size. For example, a 4x6 border would be 4" x 6" (vertical) and 6" x 4" (horizontal)
- ❖ **Resolution:** 300 dpi.
- ❖ **Color Mode:** RGB only.
- ❖ **Background:** Must have a transparent background - cannot be colored in.
- ❖ **Compression:** No compression allowed. (No LZW, etc.)

In general, the opening in the border should be the same aspect ratio as the overall image (i.e.: 4:6), although the opening does not have to be strictly rectangular and may have varied edge treatments. Having elements of the border overlap the image space is acceptable, however keep in mind this may block important parts of your images.

An example of a 4x6 border follows:

Orientation	Naming	Size	Resolution	File Format	Color Mode
Horizontal (Landscape)	[name]_h.png	4"x6"	300 dpi	PNG	RGB
Vertical (Portrait)	[name]_v.png	6"x4"	300 dpi	PNG	RGB

Importing New Borders

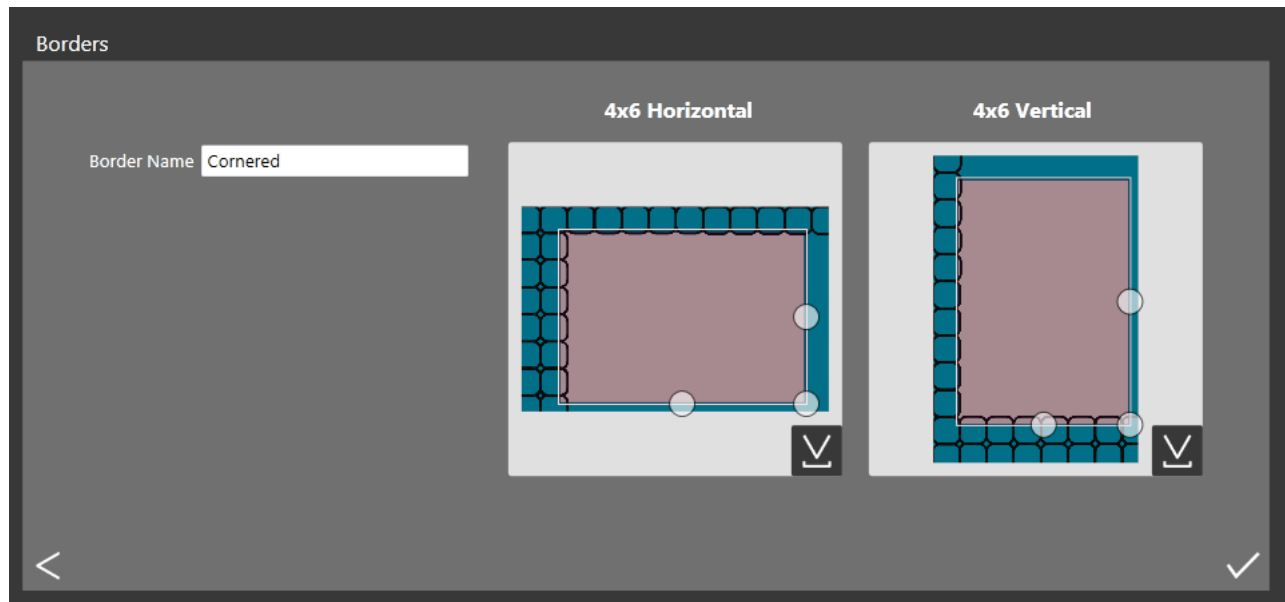
1. To add a border, first select a print size.
2. Touch the **Import** button on the border tab, the add border dialogue opens.



Attention

Each border requires **both** a horizontal (landscape) and vertical (portrait) version of the border in order to print.

3. Press **Import** buttons to import both the horizontal and vertical versions of the border. The software auto-detects the picture area.



4. Use the circle controls to adjust the width and height of the image space.
5. You must enter a name in the **Border Name** field before saving the file.
6. Press the **Save** button to save the new border.

Editing Existing Borders

Borders can be edited with the Border tab in the HFP Admin.

1. To edit a border, first select a border on the border tab, then select the **Edit** button.
2. You can adjust the size of the image space by grabbing and dragging the circles on the border. The darkened area indicates the area in which the image will appear.
3. Press the **Save** button to save your changes.

Touring the ICM Tab

Use the ICM tab to import new ICM files when needed.

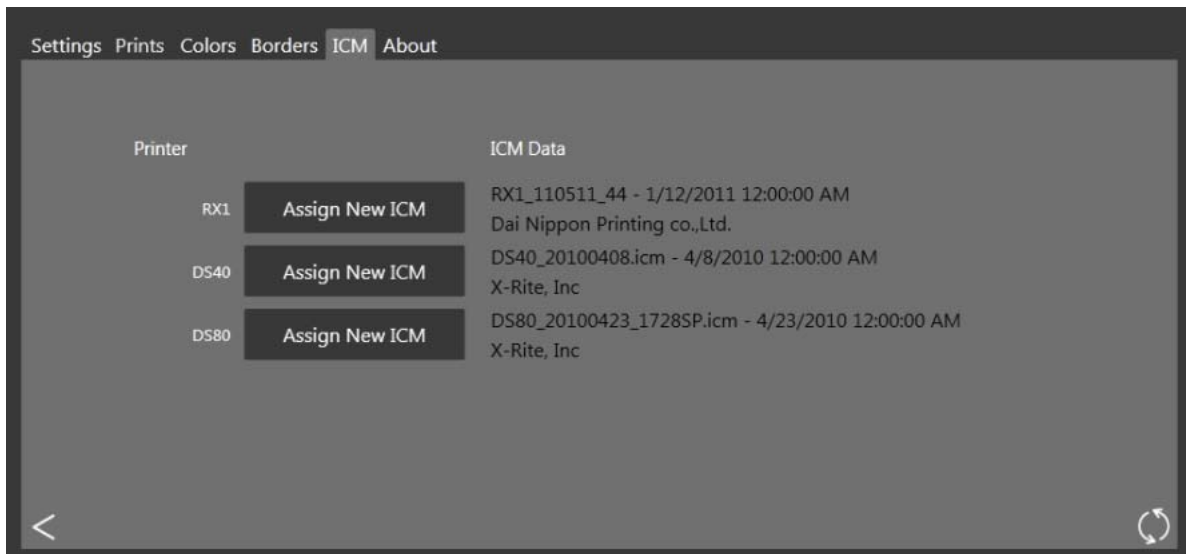


Figure 18. ICM tab

The screen displays any existing ICM file data to the right of each printer type.

Importing an ICM File

1. Access the admin screens, and select the ICM tab.
2. Locate your printer type and press the **Assign New ICM** button next to your printer type.
3. Use the browse window to locate your new ICM file.
4. Press the **OK** button to import the new ICM file.

Touring the About Tab

The about tab shows you your application version and well as the current application information. Use the link on this tab to access more information about Hot Folder Print.

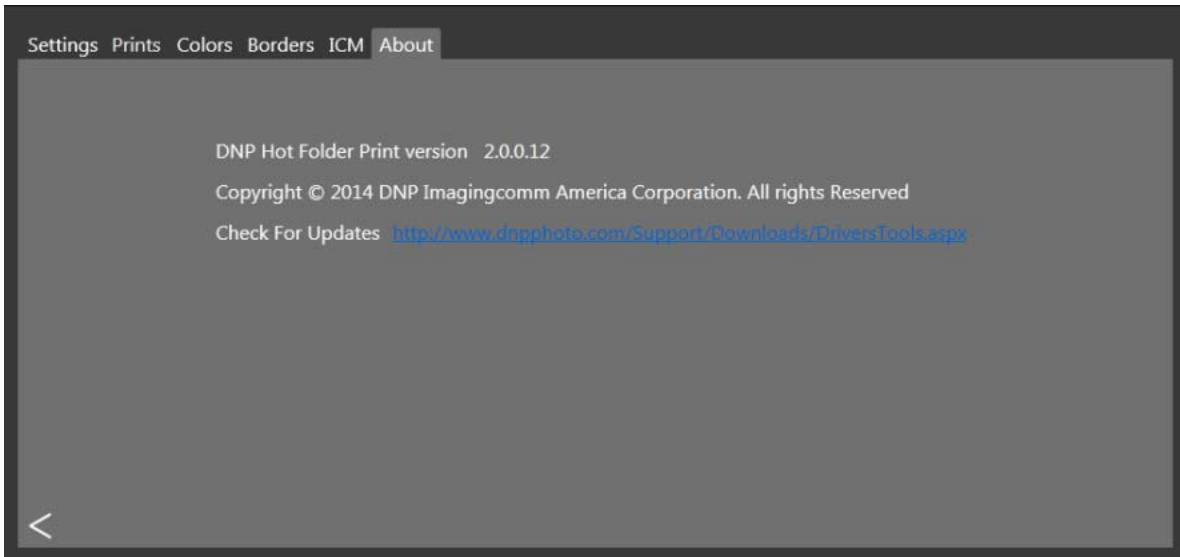


Figure 19. About tab

Duplex Print Integration

Using system integration techniques, it is possible to integrate third party software applications with Hot Folder Print to automatically print when the print size folders are used. Hot Folder Print is a “hot folder” application - when an image file is placed in a monitored folder, that image is printed automatically.

Accepted Image Files

The following image types are accepted in this version of Hot Folder Print:

- ❖ JPG/JPEG
- ❖ TIF/TIFF
- ❖ PNG
- ❖ BMP

Duplex Printing Specifications

Hot Folder Print allows printing to the DNP DS80-DX duplex printer using the following guidelines.

Application Folder Locations

Placing an image file in any of the following monitored print size directories results in prints of that print size.

The following is the location of the print size folders:

<InstallDir>\Hot Folder Print\Prints where <InstallDir> is the directory where the Hot Folder Print application is installed. Typically, the installation directory for Hot Folder Print is: C:\DNP\Hot Folder

The folder names below specify each print size that is available.

- ❖ **3_5x5** – Location for 3.5x5 print sizes to be sent to appropriate printers.
- ❖ **4x6** – Location for 4x6 print sizes to be sent to appropriate printers.
- ❖ **5x7** – Location for 5x7 print sizes to be sent to appropriate printers.
- ❖ **6x8** – Location for 6x8 print sizes to be sent to appropriate printers.
- ❖ **6x9** – Location for 6x9 print sizes to be sent to appropriate printers.
- ❖ **8x10** – Location for 8x10 print sizes to be sent to appropriate printers.
- ❖ **8x10_50D** – Location for 8x10.5 duplex print sizes to be sent to appropriate printers.
- ❖ **8x10_75D** – Location for 8x10.75 duplex print sizes to be sent to appropriate printers.
- ❖ **8x10D** – Location for 8x10 Duplex print sizes to be sent to appropriate printers.
- ❖ **8x12** – Location for 8x12 print sizes to be sent to appropriate printers.
- ❖ **8x12D** – Location for 8x12 duplex print sizes to be sent to appropriate printers.



Note

While it is possible to add images to any existing print size folder, if do not have that printer media size installed in the connected printer, those images do not print. The images remain in the print folder until that printer media size is loaded or the images are deleted manually from the folder.

Print File Naming Conventions

File Naming Schema: ?_KIDX_PX_POX_OIDX.? where KI DX_PX_POX_OI DX is the duplex block of the file name.

Example File Name: Print_KID1000_P1_PO10_OID1.png

For the duplex block of the file name, only numeric values (whole numbers) 0 through 9 are accepted.

- ❖ ? – Front portion of the file name. Can have any text that does not include the keys _KID, _P,_PO, or _OID.
- ❖ _KID – Kiosk ID. Must be a numeric value. Legal characters are whole numbers 0 through 9.
- ❖ _P – Page number. Must be a numeric value.
- ❖ _PO – Page off. This is a numeric value that show the total number of pages in the current print job.
- ❖ _OID – Order ID. Must be a numeric number and unique for each print job.

The block _KI DX_PX_POX_OI DX must be sequential. The block also must be the last segment before the beginning of the file extension.

As a duplex job is processed, each file has a .dp extension added to the end of the file name by the Hot Folder Print application. (For example, the file name used above is changed to Print_KI D1000_P1_PO10_OI D1. png. dp once that file is processed.) The .dp extension (duplex prints) stops the software from continuously processing the same files. Once all pages in the order have been processed, the job is put into a ready state and then the job is printed when the DS80-DX printer becomes available. When the job is complete, it is archived if that option is turned ON in settings and the .dp extension is stripped from the files as they are moved into the archive directory.

Troubleshooting Hot Folder Print

Problems Installing the Software

Before installing the Hot Folder Print Utility, please make sure your system meets the following requirements

PC	Windows 8, Windows 7
	.NET version 4.5
	2 GB Ram or greater
	1024 x 768 video resolution or greater
	20 GB of free disk space
Printers	DS40
(sold separately)	DS80
	DS80-DX
	RX1
Print Size	DS40 4"x6", 5"x7", 6"x8", 6"x9"
	DS80 8"x10", 8"x12"
	RX1 4"x6", 6"x8"
	DS80-DX 8"x10", 8"x12", 8"x10.75", 8"x10.5"

- ❖ If you used Hot Folder Print on your system before, follow the uninstall instructions in the installation guide to remove the previous version of the software.

Problems Running Hot Folder Print

- ❖ **Prompted to install .NET:** HFP requires a minimum of Microsoft .NET version 4.5 in order to work properly. If you do not have this version on your computer, you must install .NET before you can use HFP.
- ❖ **Border will not print:** There are multiple reasons the border may not be printing.
 - ◆ **Check to make sure that the border is installed in the correct folder.** Open **Admin** and browse to the borders tab. Select the print size from the drop-down menu. If the border does not show in the list, install the border using “Importing New Borders” on page 29.
 - ◆ **Check to make sure that the border is enabled in the Admin controls/Border tab.** Open **Admin** and browse to the borders tab. Find the border in the list, and check to see if there is a checkmark next to the enabled indicator. If there is no checkmark, select the box next to **Enabled**. Save your changes.
- ❖ **Border is not printing properly (the image space is too large or small in the border):** The border’s alpha channel is not set properly.
 - ◆ **Check to make sure that the border has well defined alpha channels.** Open **Admin** and browse to the borders tab. Select the print size from the drop-down menu. Find the border in the list, and click on the pencil icon to edit. Use the circles to define the image print area on the border (See “Editing Existing Borders” on page 30.) If the image space is overlapping the border area, that part of the image will be covered during printing. Click **OK** to save changes.
- ❖ **Border will not upload in the program.** Borders must be saved in the correct format and have both horizontal and vertical borders provided to work.
- ❖ **Verify your border settings.** Check to make sure that the border has a horizontal and vertical version, and is saved in the correct format. Borders should be in PNG format with a transparent background and an opening where the image space appears. For more information, see “About New Borders” on page 28.

Problems Printing Images

- ❖ **Printer will not print:** Make sure your printer is connected, has power, and is in a good state.
 - ◆ **Check the Hot Folder Print dashboard for any reported errors.** If the printer is in an error state, please follow the troubleshooting guide in the printer’s manual to bring the printer back to a ready state.
 - ◆ **Check that the printer is communicating with the computer.** Open Hot Folder Print and see if the printer shows up in the dashboard. Trace the cables to both ends to see if they are plugged in properly.
 - ◆ **Check that you are using the correct print size folder.** If you are in drag and drop mode, make sure that you are copying your images to the correct print size folder.

INDEX

A	
about	
borders	28
access	
dashboard	13
hot folder print	11
printer info box	14
settings tab	25
activating	
drag and drop	21
image import mode	16
admin	25
settings	25
aspect ratio	17
B	
borders	28
editing	30
importing	29
buttons	12
C	
change	
color tab	27
changing	
settings	26
copyright	7
D	
dashboard	13
document conventions	5
drag and drop	21
using	22
with duplex prints	23
duplex	
drag and drop mode	23
integration	33
specifications	33

E	
edit	
borders	30
F	
file name conventions	34
folder mode	22
H	
help	
installing	35
printing	36
running HFP	36
I	
ICM	30
icons	12
image import	16
image type	33
import	
borders	29
ICM	30
intro	9
introduction	9
L	
license agreement	7
M	
mode	
drag and drop	21
image import	16
P	
print mode	15
printer	
access printer info	13
info box	13
printer info	14
printer info box	13, 14
R	
requirements	9
S	
safety precautions	6

settings tab 25
system requirements 9

T

tour
 about tab 31
 border tab 28
 color tab 27
 ICM tab 30
 image import mode 17
 settings 26
troubleshooting 35
 installing 35
 printing 36
 running HFP 36

U

using
 image import mode 17

W

what's new 10

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