DNP

Photo Editing Software
For Snap Lab

User Manual — Exclusively for DNP Printers

June 2017

Version 3.1

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2. License Agreements

Snap Lab Software Licensing Agreement

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If any provision of the Software License Agreement is declared by a court of competent jurisdiction to be invalid for any reason, such invalidity shall not affect the remaining provisions hereof.

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This Software License Agreement shall be governed by the laws of Italy without regard to conflict of laws principles.

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This License Agreement is effective until terminated. You may terminate this License Agreement by returning the Licensed Product to Licensor. Licensor may terminate this License Agreement if you breach any of the terms and conditions. Upon termination of this License Agreement for any reason, you shall return the Licensed Product to Licensor. All provisions of this Agreement relating to disclaimers of warranties, limitation of liability, remedies, or damages, and Licensor's proprietary rights shall survive termination.

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Acknowledgments

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ICC Profiles

Dai Nippon Printing Co., Ltd. (DNP) provided ICC profiles implemented into Photo Editing software.

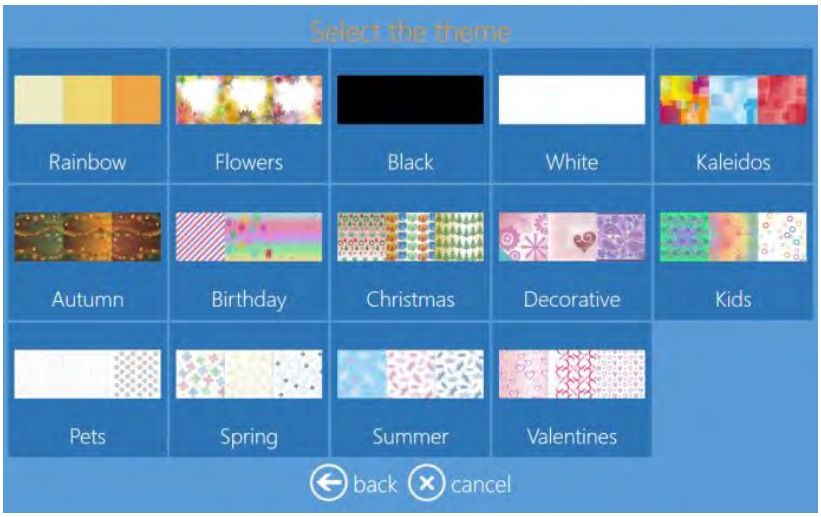
3. Introduction

Photo Editing Software is a software system to make Prints, Calendars, Prints with Frames of various sizes and Passport photos. The software system allows the selection and editing of digital images to be printed with DNP printer(s) only. When the DS620 printer is connected with the respective media, the product line items will be enabled automatically; this will save the user time in configuring products.

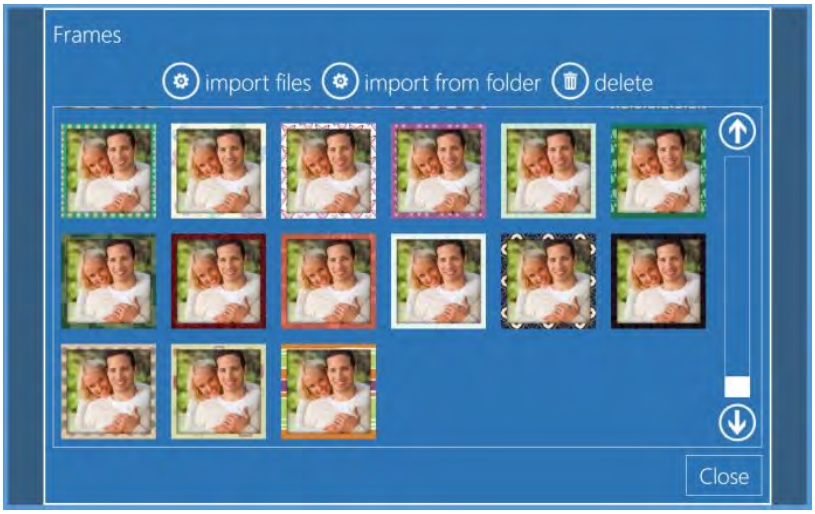
This Photo Editing Software version provides the following new features:

- Automatic firmware upgrade for DS620 & DS820 printer
- Panoramic Prints Product for DS620 (6x14, 6x20) and DS820 (8x18, 8x22, 8x26, 8x32) printers
- Simplex 13 Pages, Yearly Calendar (4x8, 6x8 & 8x12)
- New print finishing surface for DS620/820 printers
    - For more information, see About Print Finishes on page 11
    - Luster (available for both DS620/820)
    - Fine matte (only for DS820)
- DS820 printer support
    - DS820 standard and High-Quality media support
- RX1 HS support
- Order release management system
- New photo filters
    - Cartoon, Retro, Illustration, Sepia, Monochrome, Cool Mono-chrome, Tilt-Shift, Soft filter, Cross filter
- Export / Import configuration
- Panoramic printer support
- Additional languages

- New themes for Calendar/Greeting Card/Photobook products



- Under the **Prints with Frames** product selection, there are New Frames for the following square sizes: 4x4, 5x5, 6x6, and 8x8.



- Other improvement items

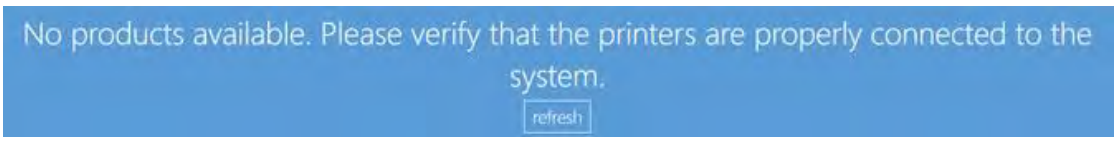
For assistance or support, contact DNP technical support at dnpsupport@dnp.imgcomm.com

Quick Start

Snap Lab System Setup

Before you start working with the Photo Editing Software, connect and switch on the DS620 printer and the Wi-Fi router (PhotoPrints.) Then, turn on the Snap Lab (push the button rear side of the terminal). The Photo Editing Software will automatically display only products that can be printed with connected printers and loaded media when DS620 printer is connected (please, refer to the installation guide).

If the DS620 printer is not connected, the software will display the following message:



When the printer is connected to the system, the above message will disappear automatically within a few seconds, and the software will display the available products as per the connected printer.

Supported Printers

With Photo Editing Software you can print directly to DNP printers, without installing any drivers.

Supported DNP printers are DS620, DS80DX, DS80, and DS820.

Once connected to the Snap Lab system, the printer is automatically recognized by the Photo Editing Software.

Color profile: The Photo Editing Software uses the most recent color profiles provided by DNP. You can also enter a color profile by entering settings/printer parameters.

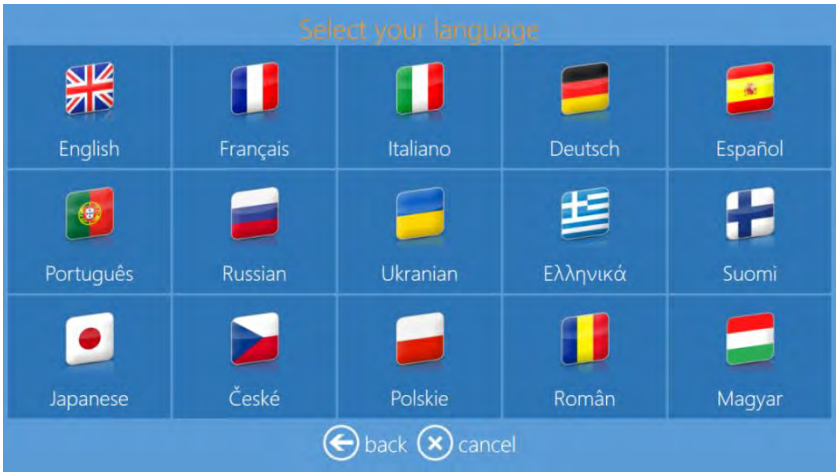
Main panel and Software Management

To access the Main panel, first touch the lower left corner and then the lower right corner of the monitor; you can also connect a keyboard and press the **ESC** key. Once in the Main panel, select your options:

- Settings: Access to the basic configuration of the software, i.e., initial animation, product management, output profiles, system backup and security.
- Orders: Access to the management panel, where customers' digital orders are displayed.
- Diagnostics: Contains tools for system diagnostics, i.e., generating log files, test receipt, check printers.
- Stats: Possibilty to check sales information based on various elements.
- Quit application: Close the software. Use this feature to properly exit from Photo Editing Software.
- In service: Exits the Configuration Panel and returns to initial animation.

Language

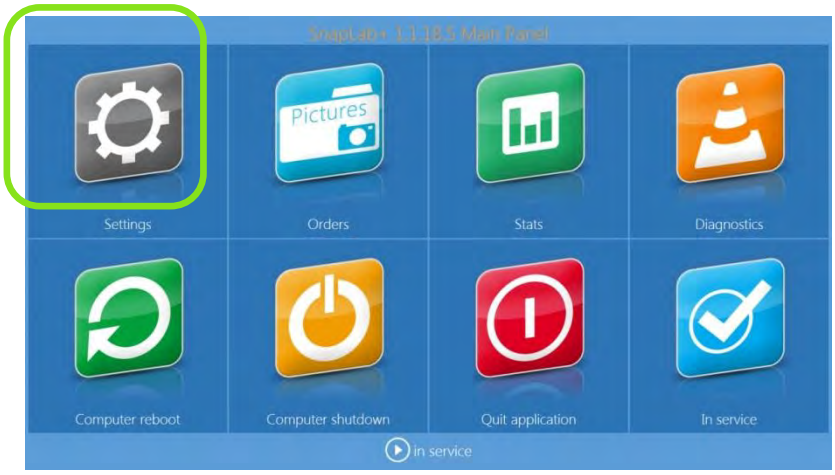
The end user can select their native language:



Terms and Conditions

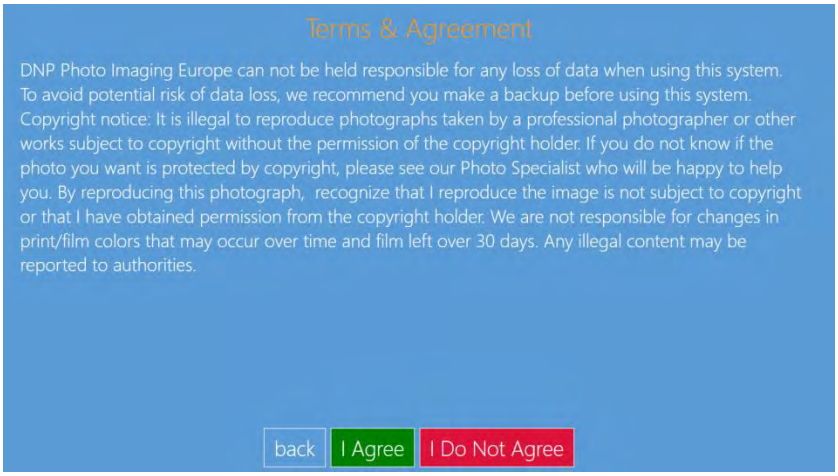
Terms and conditions can be turned ON and OFF. To turn off Terms and Conditions:

1. From the **Admin** screen, click the **Settings** button.



2. Under the **General** section, click the **Intial Parameters** button.

3. In the **Display Terms & Agreements** field, select **ON** or **OFF**.



Note:
The end user must accept the terms and conditions of the software before the images begin to load. If the end user doesn't agree, the user can simply click the **I Do Not Agree** button, which results in the software displaying the screen saver. The **Terms & Agreement** screen is displayed in the language selected by the end user. If the end user clicks the **Back** button, the Photo Editing Software returns to the **Language Selection** menu.

About Print Finishes

In addition to the Glossy and Matte finishes, there are two (2) new photo finishes available:

- ❖ Luster : Available on both DS620 and DS820 printers
- ❖ Fine Matte: Available only on DS820 printer

Attention:
The software enables the photo finishes automatically for connected printers.

If any settings have been configured/changed by the operator, then the software won't propose default photo finishes.

- **DS620 Printer:** the software proposes the following photo finishes:

- **DS820 Printer:** the software proposes the following photo finishes:

Note:
If DS40/DS80/RX1/RX1-HS/DS80DX are connected, then Luster and Fine Matte are not applicable. The fine matte print finish will be available with the next printer update. Check with your sales representative or customer support for updates on when a new version of Photo Editing Software will be available.

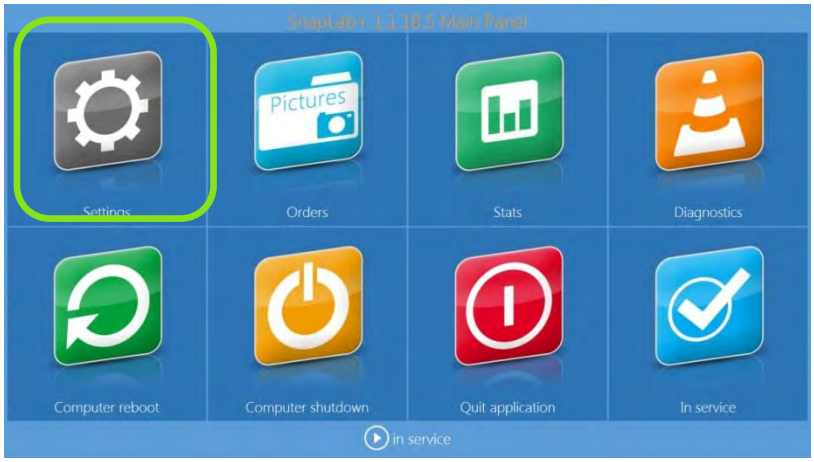
4. Loading Images

The user can upload images to the kiosk from the following devices:

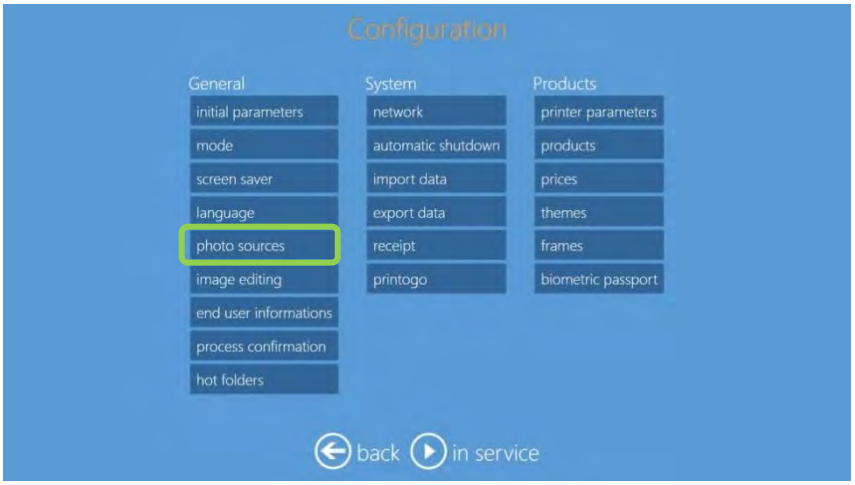
- Memory Card
- USB
- iPhone/iPad
- Android
- Windows Phone
- PhotoPrints Wi-Fi Application
- Social Network

These items can be turned **ON** or **OFF** by following these steps:

1. From the **Admin** screen, click the **Settings** button.



2. Under the **General** section, click the **Photo Sources** button.



3. Turn the upload devices **ON** or **OFF** as needed.

How to Load Images?

The user can upload images to the kiosk from the following devices:

- Memory Card
- USB
- iPhone/iPad
- Android
- Windows Phone

- PhotoPrints Wi-Fi Application
- Social Network

4. After selecting your product, the **Image Source** screen is displayed.

5. Insert your digital media into appropriate port of the Snap Lab Kiosk.
6. Select the digital media type from which you want to load images.

Memory Card

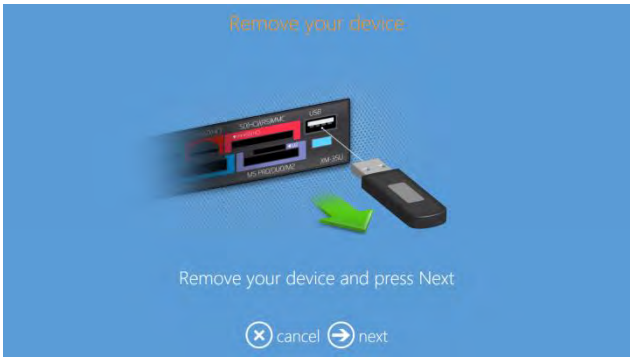
1. Insert the memory card in the appropriate port to display all the images stored on the media.

2. Select images and press next to load selected images.
3. The memory card must be removed to finalize the order.

USB Device

1. Insert the USB stick into the USB port and the software will display images / folders of the media.

2. By selecting a folder, images contained in that folder are displayed.
3. Select images and press **Next** to load selected images.
4. The USB stick must be removed to finalize the order.



iPhone and iPad

1. After selecting the **iPhone and iPad** option, a selection screen with two possibilities is displayed. You can select **Connection with Cable** or **Wi-Fi**.

2. Wired Connection for iOS:

3. If the device is not ready, then the software will make request to you verify your device.
   - Please unlock your mobile device before connecting.
   - Please remove a security access.
   - Please trust this system when a message pop-ups in your mobile device.

4. The cable connection of the mobile device must be removed to finalize the order.

5. Wi-Fi Connection for iOS:

Note:
Wi-FI connection for both *iOS & Android* requires '0PhotoPrints' router. Make sure the router is well connected and powered ON. For Wi-Fi connection, the user is prompted to download and install the DNP **PhotoPrints** app for iOS devices.

6. Follow the instructions in the interface to transfer images from the DNP **PhotoPrints** app.

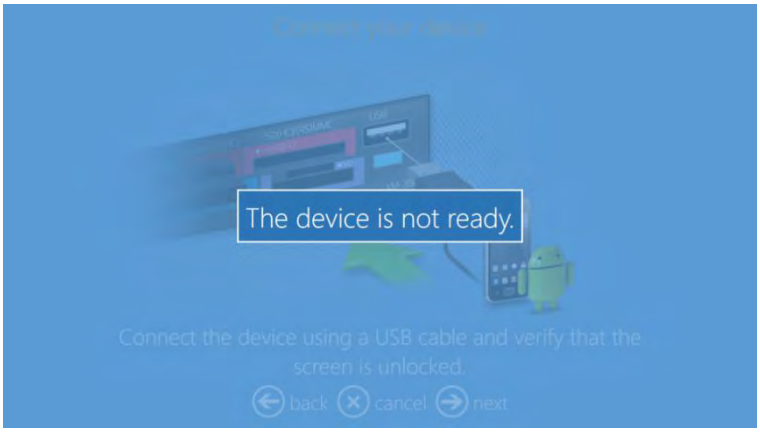
7. When image transfer is completed, the user can see the image thumbnail in the interface.
8. Click on **Next** to place an order.

Android

1. After selecting the **Android** option, a selection screen with two possibilities is displayed. You can select **Connection with Cable** or **Wi-Fi**.

2. Wired Connection for Android:

3. If the device is not ready, then the software will make request that you verify your device.
4. Please unlock your mobile device before connecting.
5. Please remove a security access.
6. Please trust this system when a message pop-ups in your mobile device.



7. The cable connection of the mobile device must be removed to finalize the order.

8. Wi-Fi Connection for Android:

Note:
Wi-FI connection for both *iOS & Android* requires '0PhotoPrints' router. Make sure the router is well connected and powered ON.

For Wi-Fi connection, the user is prompted to download and install the DNP **PhotoPrints** app for Android devices.

9. Follow the instructions in the interface to transfer images from the DNP **PhotoPrints** app.

10. When image transfer is completed, the user can see the image thumbnail in the interface.
11. Please click **Next** to place an order.

Windows Phone 8

1. After selecting the **Windows Phone 8** option, you are prompted to connect your phone by a cable. A mobile app is not currently available for Windows Phones.

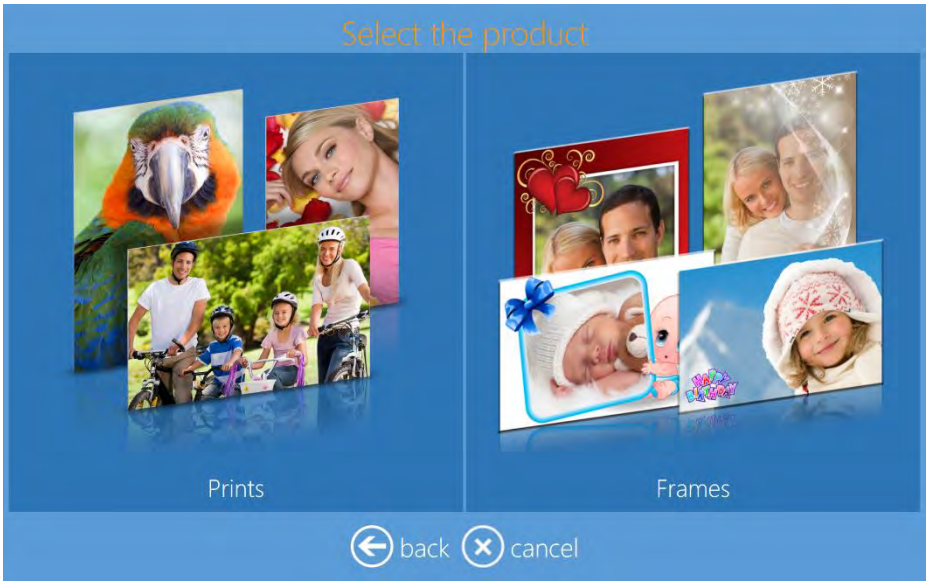
Note:
Only Windows 8 Mobile OS is supported.

5. Event Mode

How to Print in Event Mode

1. Select the desired **Language**.

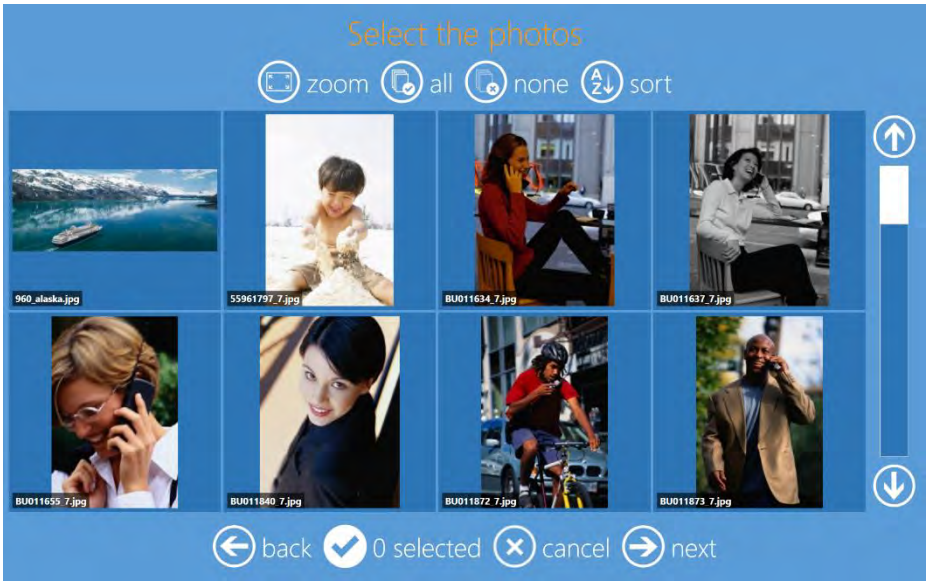
2. From the Terms & Agreement screen, click the **Accept** button.
3. Click the **Prints** button



4. Insert your digital media into appropriate port.
5. Select the digital media type from which you want to load images.

Note:
You can select one of the following: Memory Card, USB Device, iPhone or iPad, Android, Windows Phone, or Social Networks.

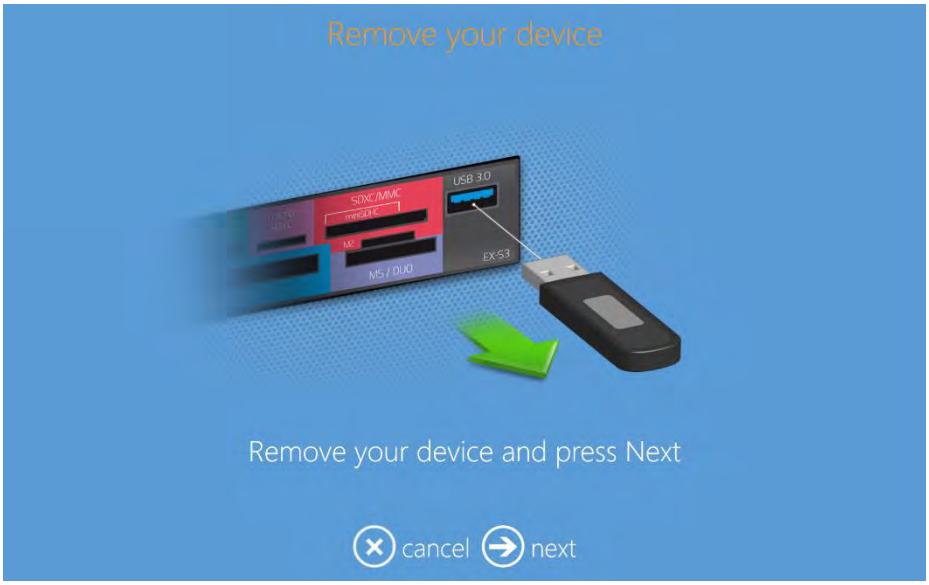
6. Select the images to be printed.



7. Selct the **Next** button.
8. Select **Print Finish** type.

Note:
Depending on the type of DS-Series printer connected, you can select from Matte, Glossy, Luster, and Fine Matte.

9. When prompted, remove your input device.



10. The system begins printing your image.

6. Ordering Products

Prints, Double Sided Prints, Calendars, Greeting cards and Photobooks can be created with the following workflow procedures.

Prints: DS620

To print a Single Sided Print product:

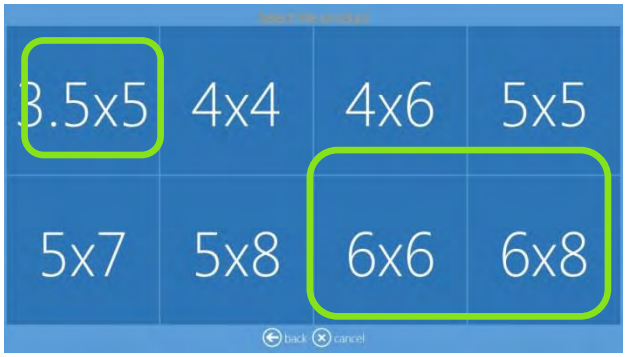
1. Click the **Prints** button.

2. Select media where images are located, as an example a folder with images.

3. Select images you wish to print. By clicking the **+** or **–** buttons, you can add or subtract the amount of prints for each image.

4. Click the **Next** button.

5. Select Product and Paper Finish type.

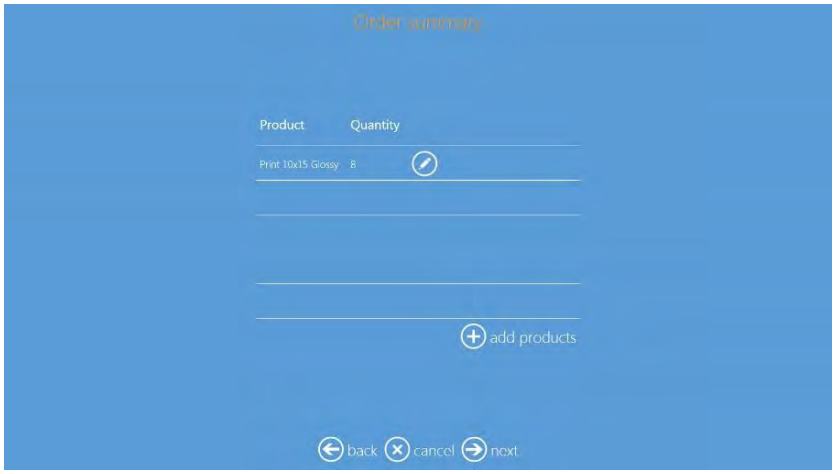


Note:
Your available options will vary depending on the attached printer loaded media.

6. Click the **Edit** button if you wish to make any edits to your images.

Note:
Please see Editing Images in Kiosk Mode on page 56 to learn more about editing your images.

7. At the Order Summary screen, you can view your current order, add additional products, cancel your order, etc.



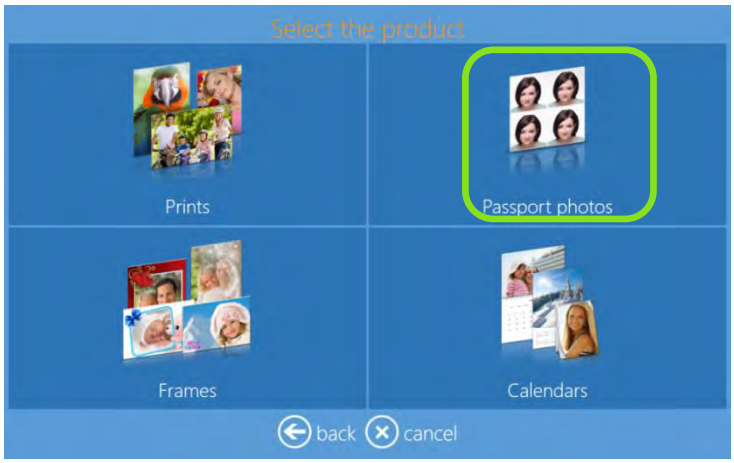
8. Click the **Next** button
9. Type the **Customer Name**.

10. Click the **Next** button to finish the order.

Passport: DS620

This is the workflow for creating and printing a passport product.

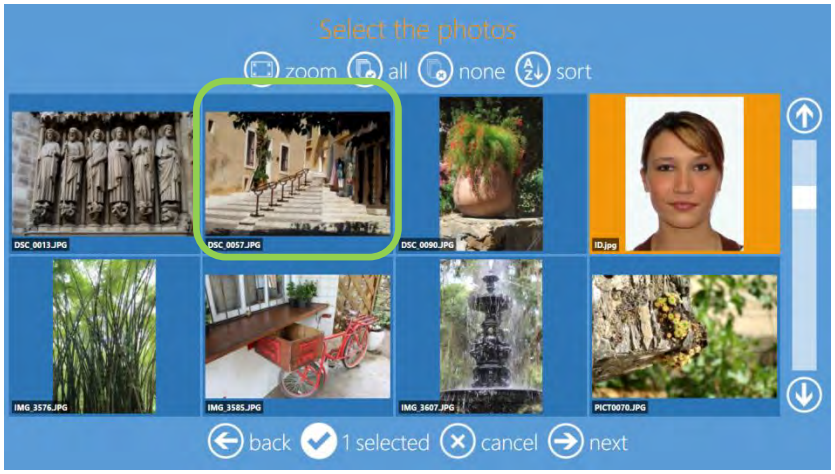
1. Click the **Passport Photos** button to make a passport t product.



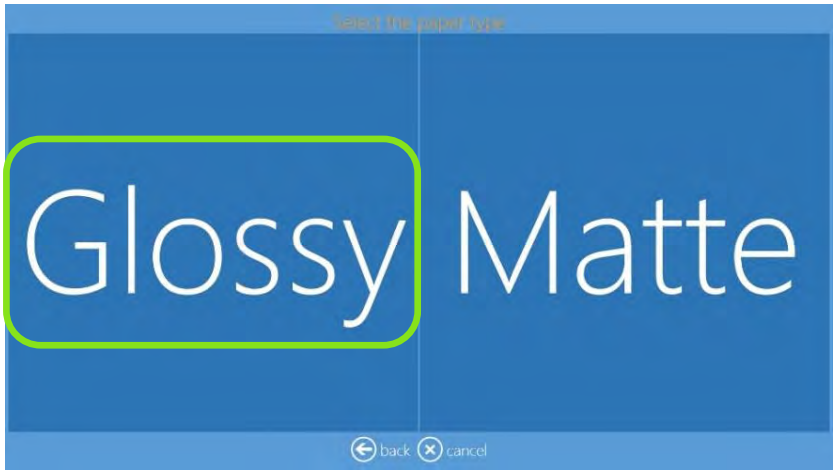
2. Click the **Passport Photos** or **All Countries** button.

3. Select the digital media type from which you want to load images.

4. Select images.

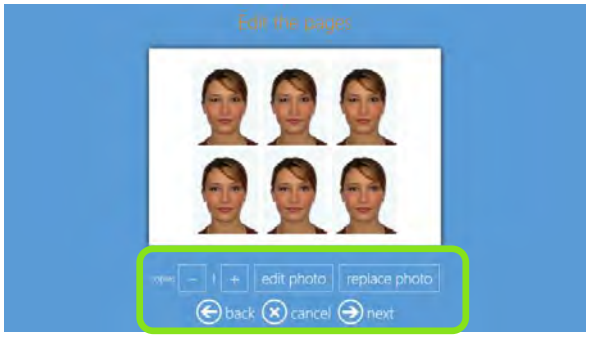


5. Select paper finish type.



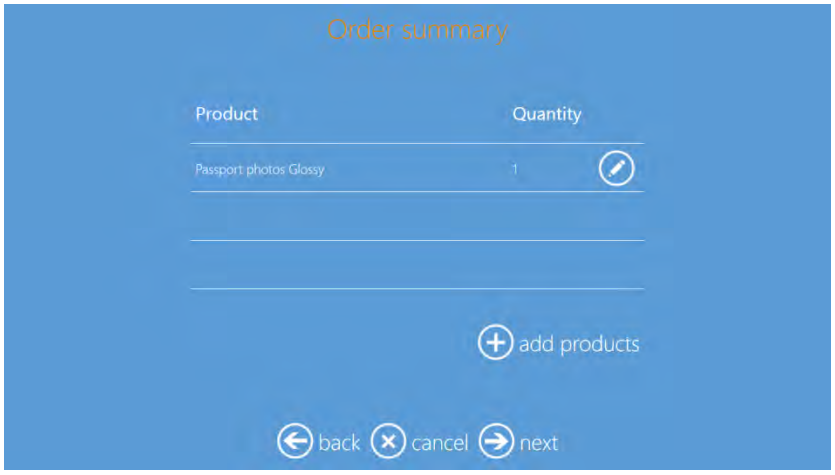
6. Please wait awhile the system generates the passport product.

7. To edit the photo, click the **Edit** button. To change the current photo, click the **Replace Photo** button.
8. Click the **+** or **–** button to increase/decrease the quantity.

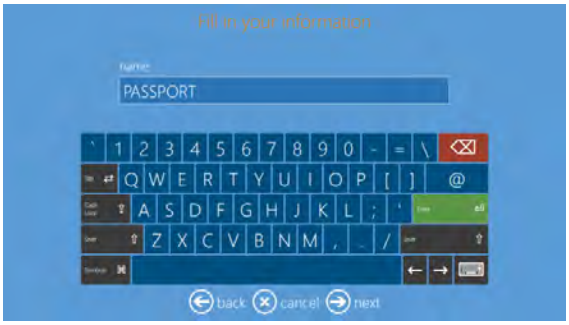


Note:
When the quality of the image is low resolution, the system displays a **Low Quality** message, as shown above.

9. At the Order Summary screen, you can view your current order, add additional products, cancel your order, etc.



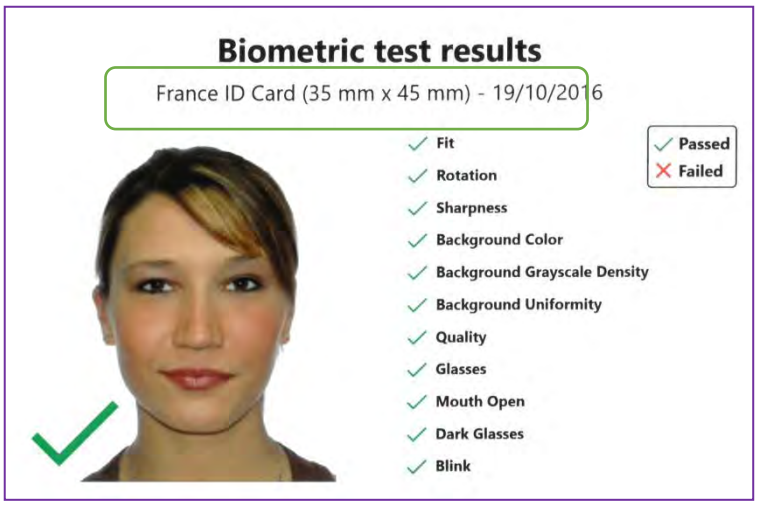
10. Type the **Customer Name**.

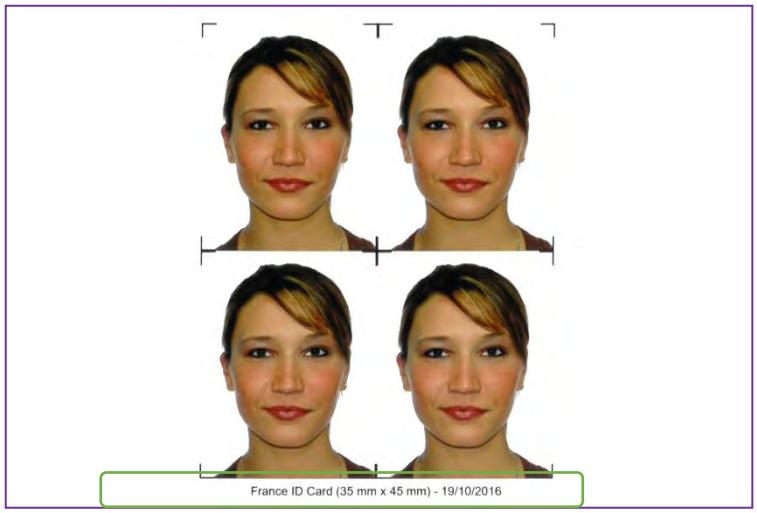


11. Click the **Next** button to finish the order.

Biometric Product Information

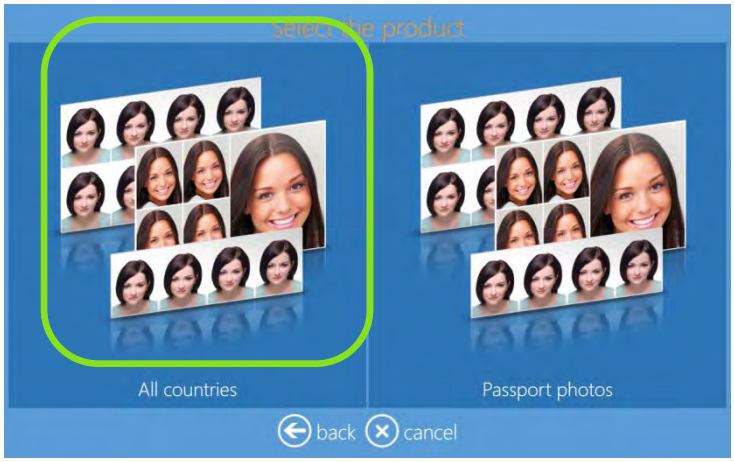
Biometric Photo product (**Optional License is required**): Product name and date are printed on the final output.



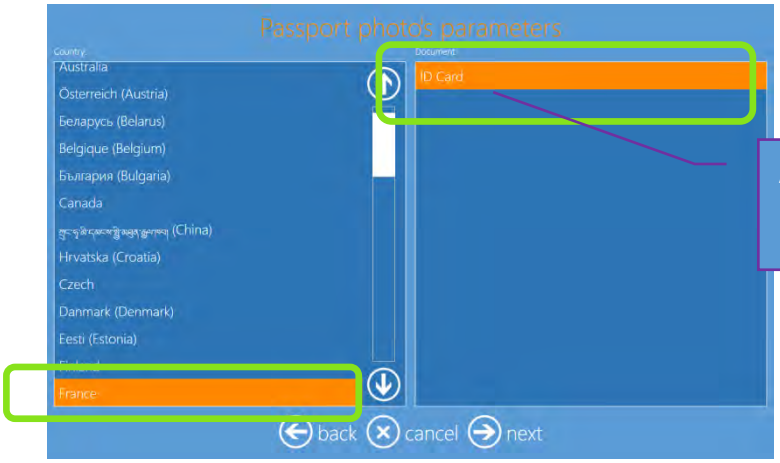


Passport All Countries: DS620

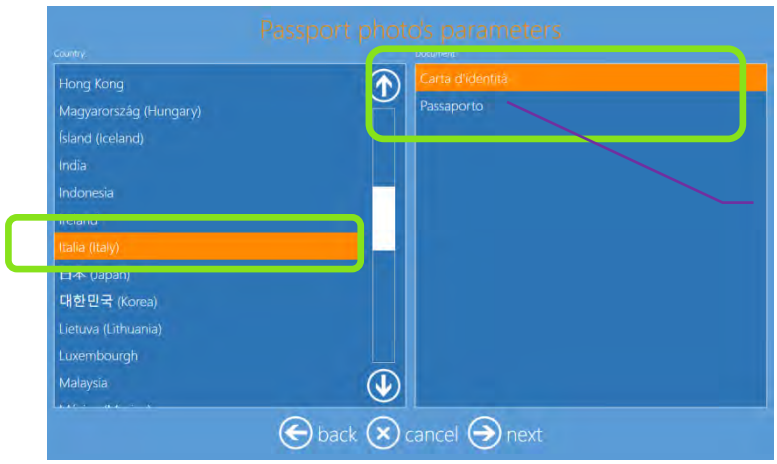
1. When the **All Countries** button is selected, the software displays a list of available countries.



2. When you select a Country from the column on the left, the available ID products for that country are displayed in the column on the right, as shown below.



Available choice for France.

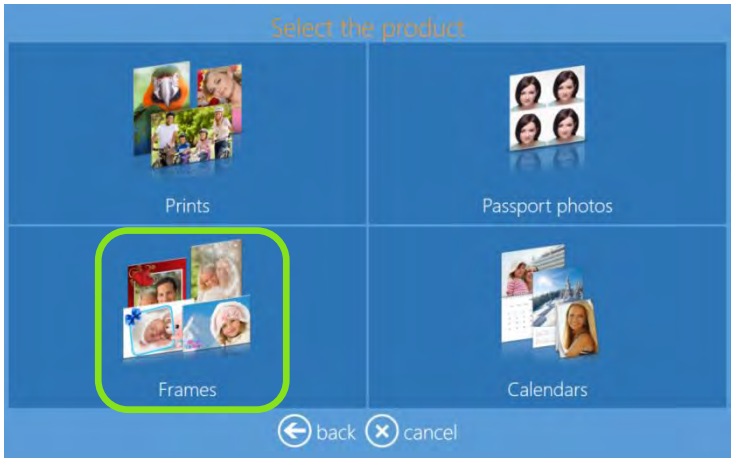


Available choices for Italy

Frames: DS620

This is the workflow for creating and printing image with Frames.

1. Click the **Frames** button.

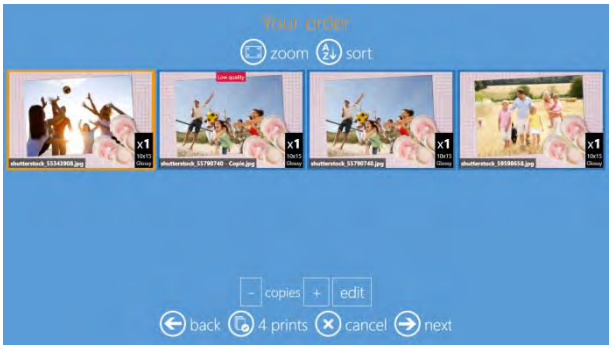


2. Select the digital media type from which you want to load images.

3. Select your images.
4. By clicking the + or – buttons, you can add or subtract the amount of prints for each image.

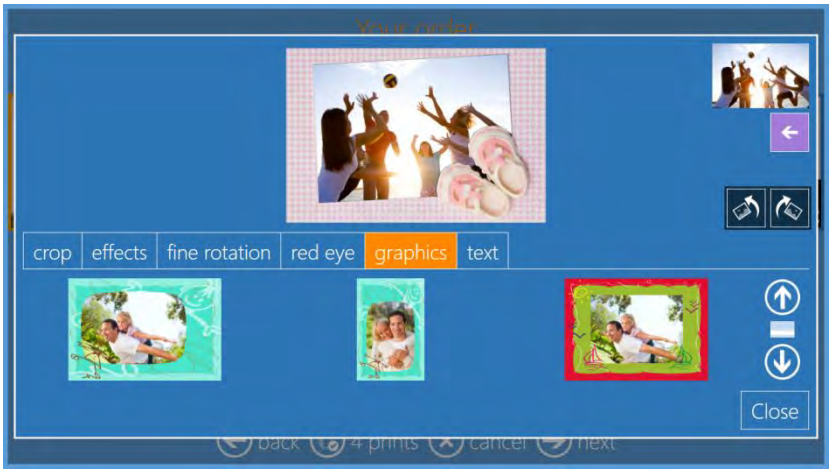
5. Select product and paper finish type.

6. Choose the desired Frame.

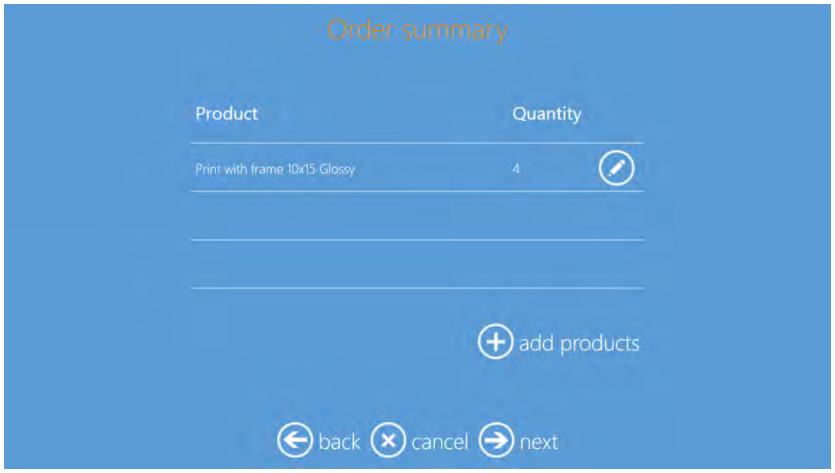


7. Edit the print quantity, crop and enhance images, and add text to your image as necessary.

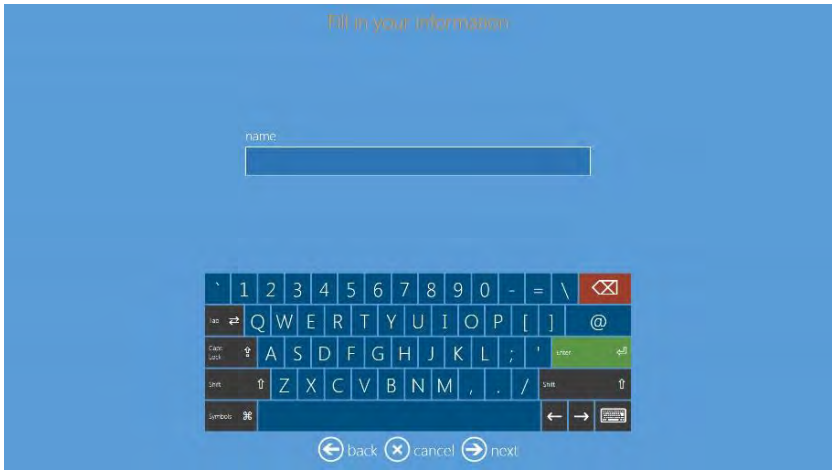
8. To change to a different frame, click on Graphics tab and select the new frame.



9. At the Order Summary screen, you can view your current order, add additional products, cancel your order, etc.



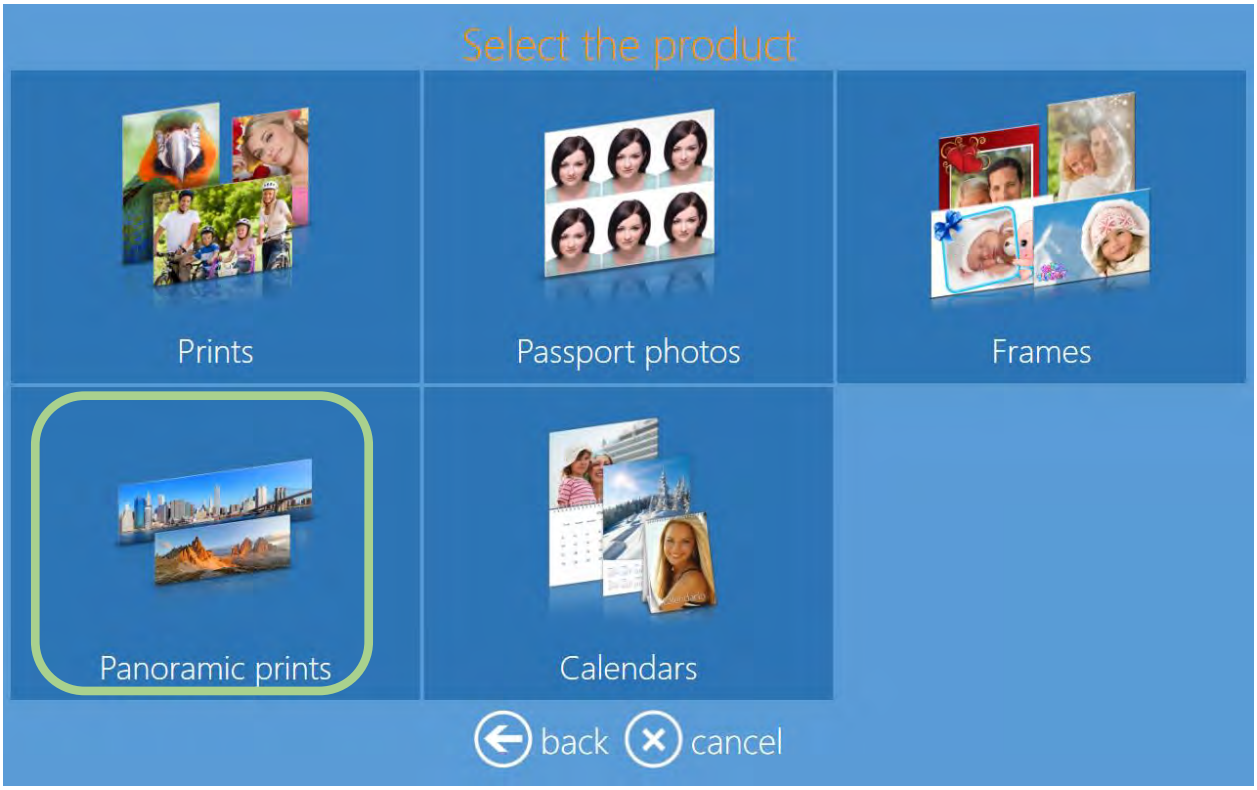
10. Type the **Customer Name**.



11. Click the **Next** button to finish the order.

Panoramic Prints Product

Panoramic prints are great for displaying landscape, wildlife, nature and cityscape photographs. Printing panorama portraits on DNP Dye-Sub technology is an artistic and contemporary representation of your digital photos. Whether it is an amazing landscape, a picture perfect family photo or just something that catches your eye, you can enlarge your photo and we can print it!



Note:

Panoramic prints are available only with DNP DS620 and DS820 printers.

Panoramic prints uses the standard media for both DS620 and DS820 printers, i.e., no special media/paper required.

Panoramic print products are enabled automatically by detecting DS620 and DS820 printers.

Panoramic Print Sizes

The Photo Editing Software provides the following print sizes for the panoramic product:

Print Products : Panoramic			Media/Panel usage
Panoramic Prints	6x14	DS620 w 6x8 & 6x9 Media	2 panels of 6x8/6x9
Panoramic Prints	6x20	DS620 w 6x8 & 6x9 Media	3 panels of 6x8/6x9
Panoramic Prints	8x18	DS820 w 8x10 & 812 media	2 panels of 8x10/8x12
Panoramic Prints	8x26	DS820 w 8x10 & 812 media	3 panels of 8x10/8x12
Panoramic Prints	8x22	DS820 w 8x12 media only	2 panels of 8x12
Panoramic Prints	8x32	DS820 w 8x12 media only	3 panels of 8x12

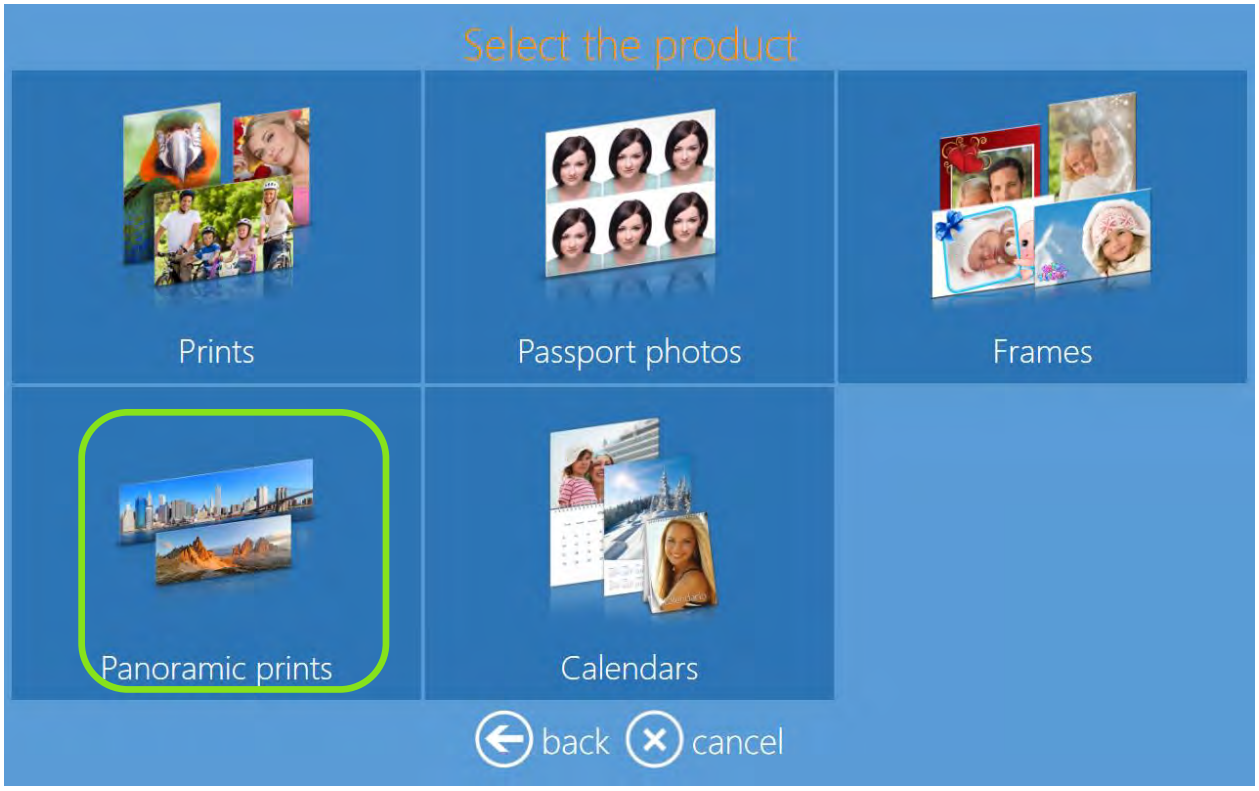
Attention:

No other sizes/formats are possible with Panoramic Print products.

Panoramic Print Workflow:

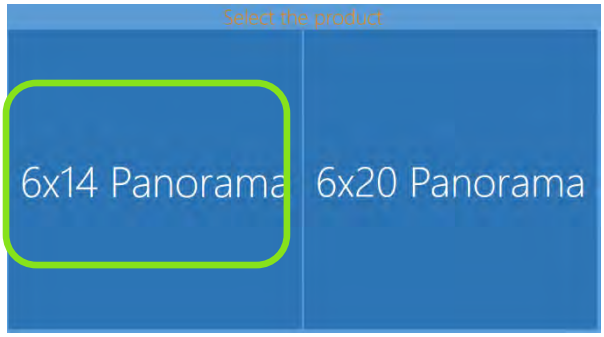
This is the workflow for creating and printing panoramic products.

1. Click the **Panoramic Prints** button.



2. Select the digital media type from which you want to load images.

3. Select a print size.



4. Select photo finish type.

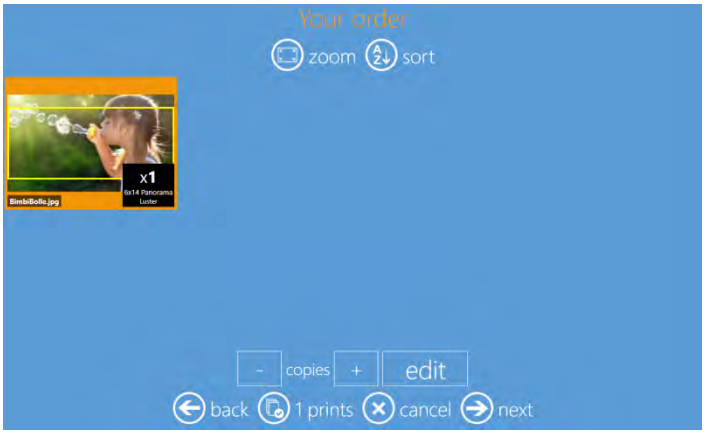
Note:

If a DS820 printer is connected, then the software enables the sizes for the DS820 printer and its media type automatically.

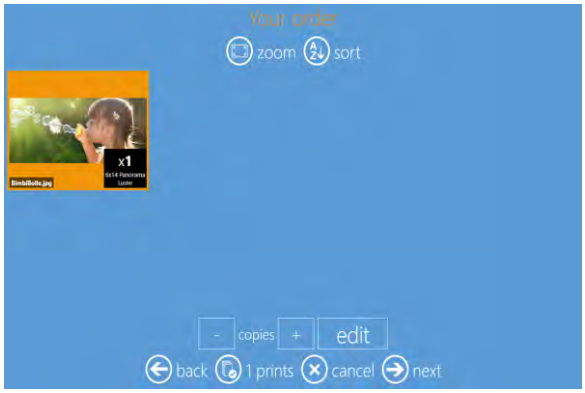
If both a DS620 and a DS820, then the software enables the possible print sizes automatically of the printer(s) media type.

5. Select an image.

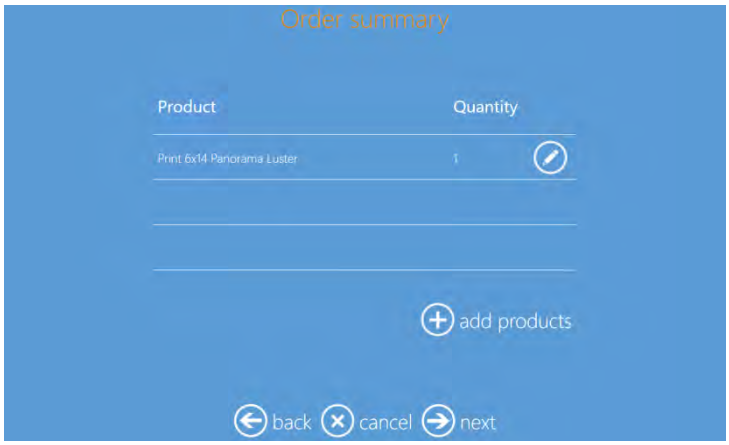
6. If you wish to make any edits to your image, click the **Edit** button and then make the desired edits.



7. Once the edits are completed, click the **Next** button.

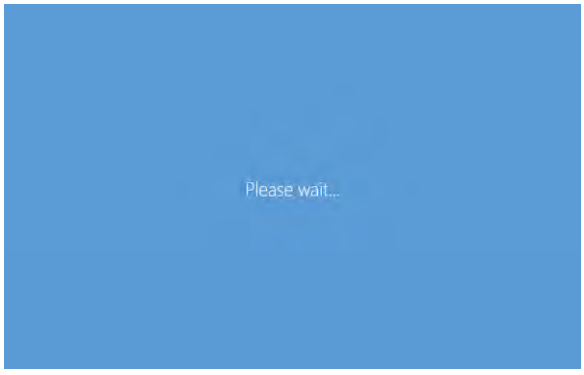


8. At the Order Summary screen, you can view your current order, add additional products, cancel your order, etc.



9. Type the **Customer Name**.

10. Click the **Next** button to finish the order.



Calendars

Single Page Calendars

The calendar workflow has improved; you can now use one of your own photos as a background, and you can also select from a variety of calendar styles.

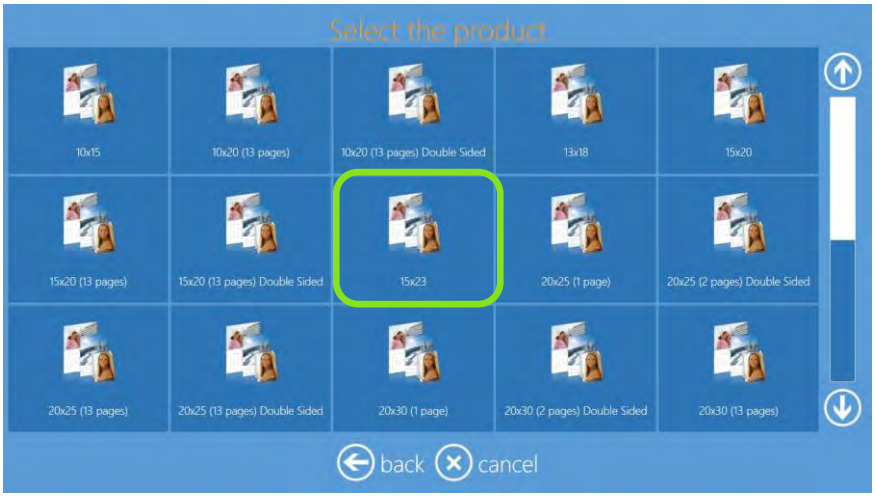
Depending on the calendar template you choose, you can select either a one page calendar or a multi-page calendar (either 2 or 13 pages). If you select a multi-page calendar, you must select the minimum number of images as shown in the software.

To print a calendar:

1. Click the **Calendars** button.

2. Select the digital media type from which you want to load images.

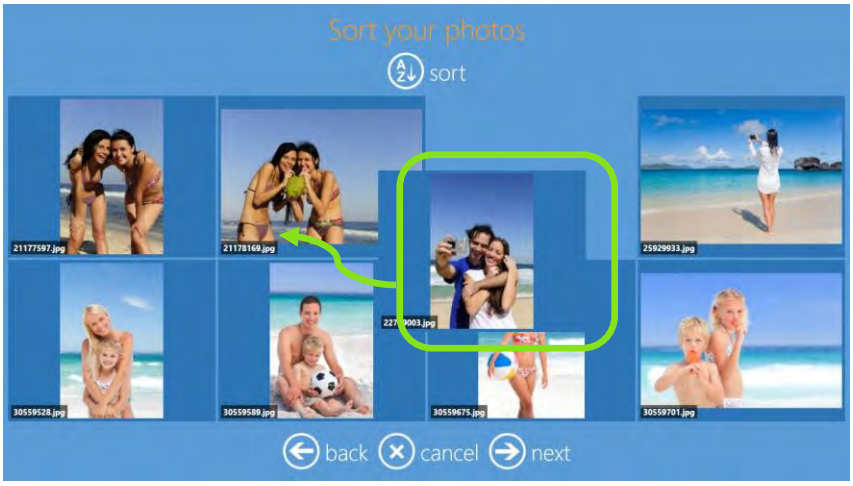
3. Select a print size.



4. Select a paper finish.

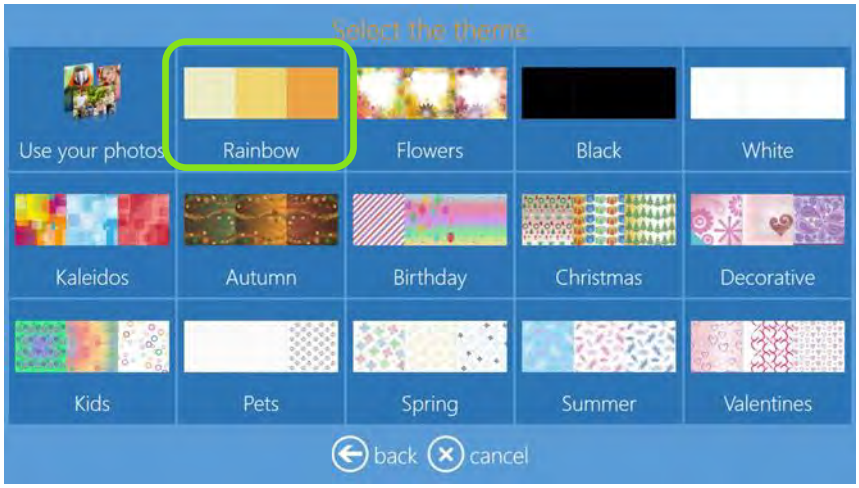
5. Select images.

6. Change image sequence, if desired.



7. Select Calendar options: language, country (for national festivities) and starting month. Once you've made your selection(s), click the **Edit** button next to each field.

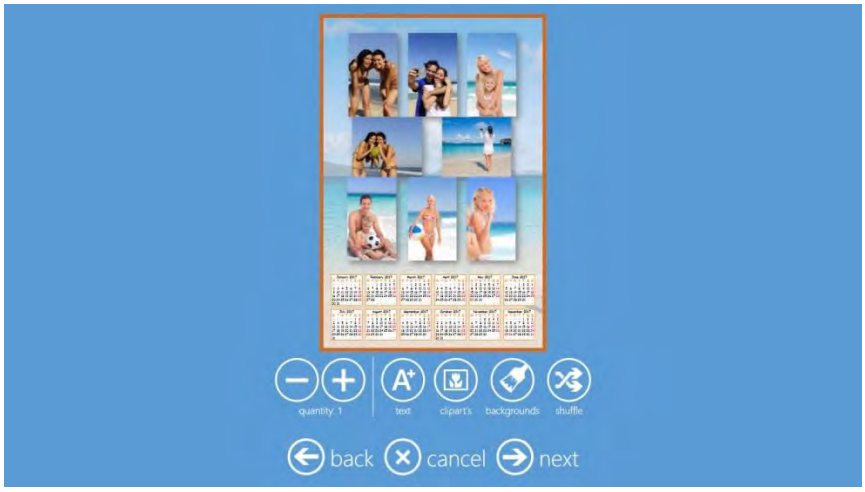
8. Click the **Next** button.
9. Select background theme. You may use one of your own images as the background theme. If decide to use one of your own images, the software will pick an image automatically. You can change this background image image during final image preview by selecting **Background**.



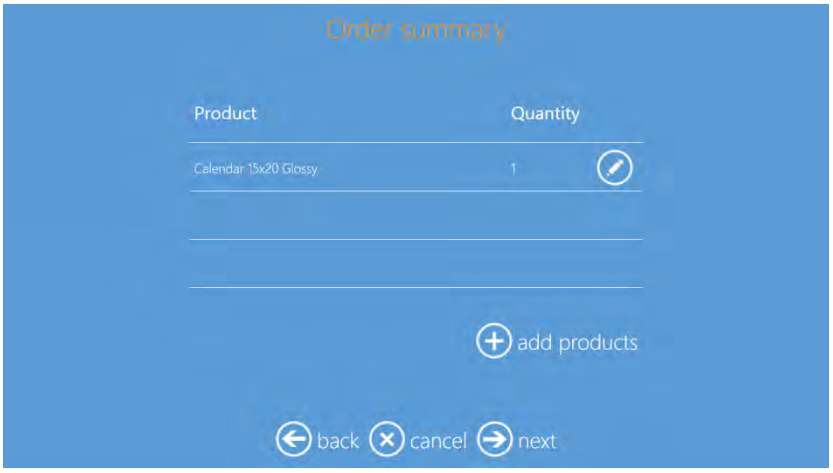
10. Select calendar type

11. Select calendar style.

12. The **Page Preview** screen is displayed. Make any desired edits.
13. It is possible to zoom and center an image by clicking on it.
14. It is possible to add text, clipart, change background and shuffle the position of images.



15. If you have ordered a multi-page calendar, make your changes on each page.
16. Click the **Next** button to finish the order.
17. At the Order Summary screen, you can view your current order, add additional products, cancel your order, etc.



18. Type the **Customer Name**.

19. Click the **Next** button to finish the order.

Multi-Page Calendars (13 Pages Simplex)

You can now print a **13 Pages Simplex Yearly Calendar**, which is printed with the DS620 or DS820 printer. This **13 pages Simplex Yearly Calendar** can be printed in the following sizes:

- 4x8
- 6x8
- 8x12

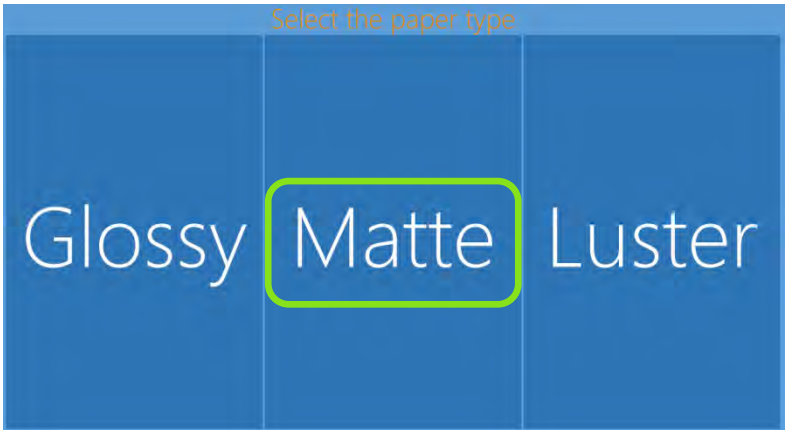
To print a 13 Pages Simplex Yearly Calendar:

1. Click the **Calendars** button.

2. Select the digital media type from which you want to load images.

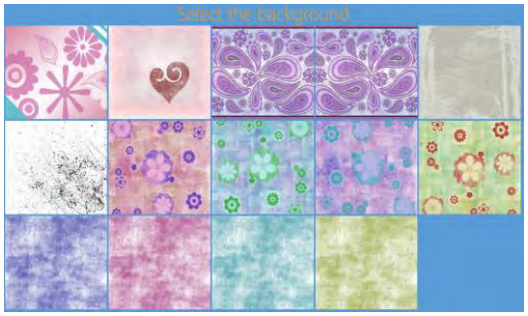
3. Select print size, in this case **6x8 (13 Pages)**.

4. Select paper finish.



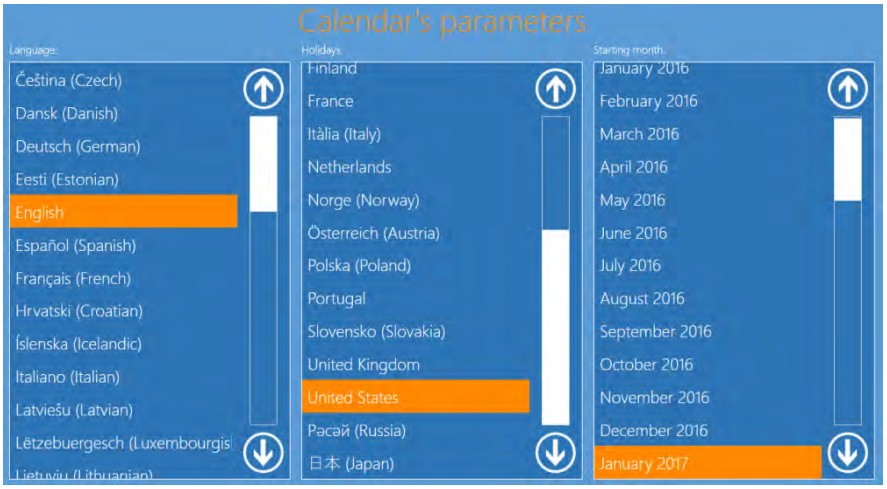
5. Select images.

6. Select a background theme.

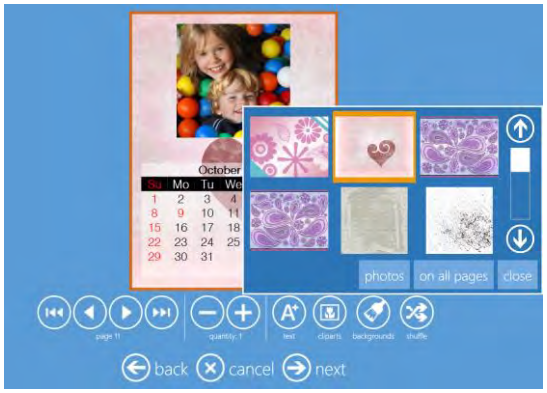


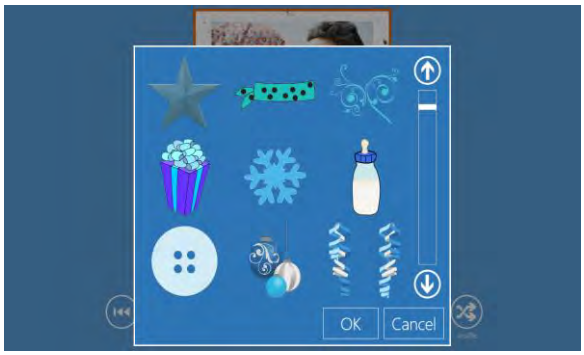
7. Change the image sequence, if necessary.

8. Select Calendar options: language, country (for national festivities) and starting month. Once you've made your selection(s), click the **Edit** button next to each field.

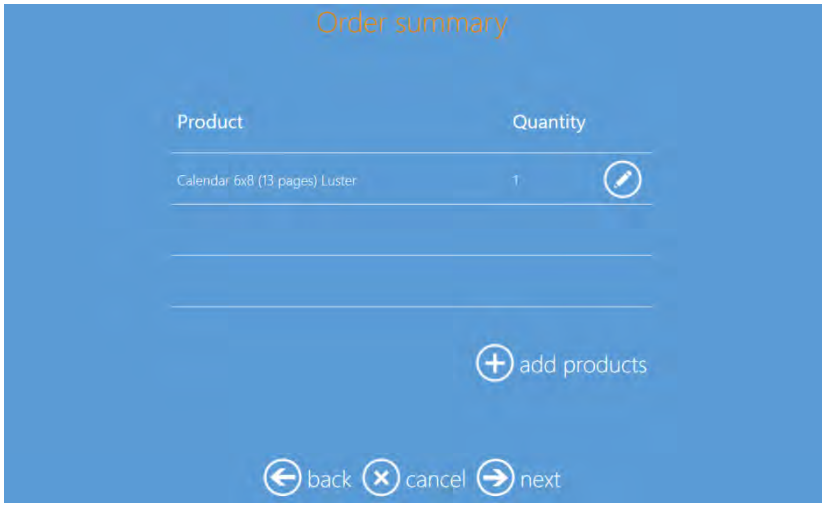


9. The **Page Preview** screen is displayed. Make any desired edits.



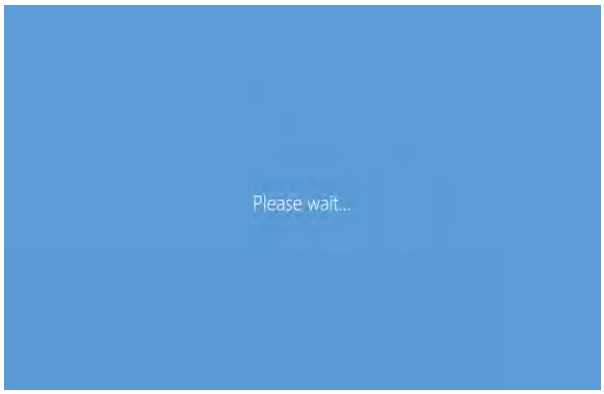


10. At the Order Summary screen, you can view your current order, add additional products, cancel your order, etc.



11. Type the **Customer Name**.

12. Click the **Next** button to finish the order.



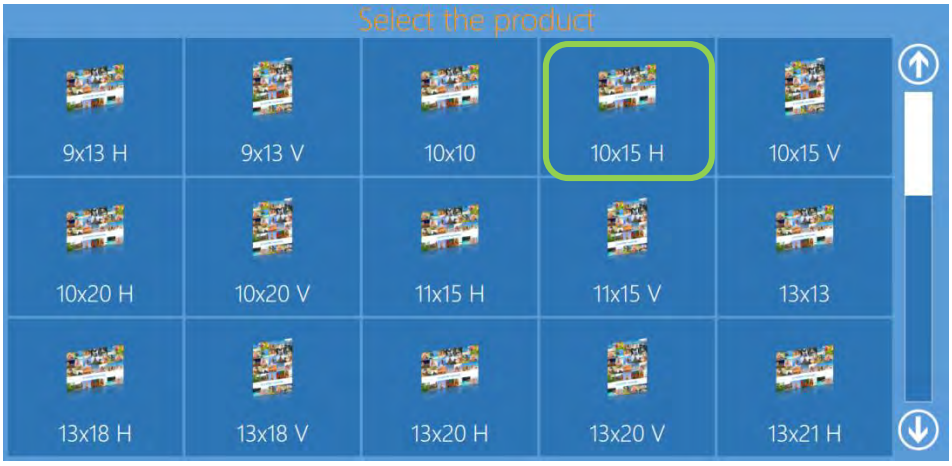
Collage Product

With the Photo Editing Software, you can now print collages, using between two (2) and eight (8) images.

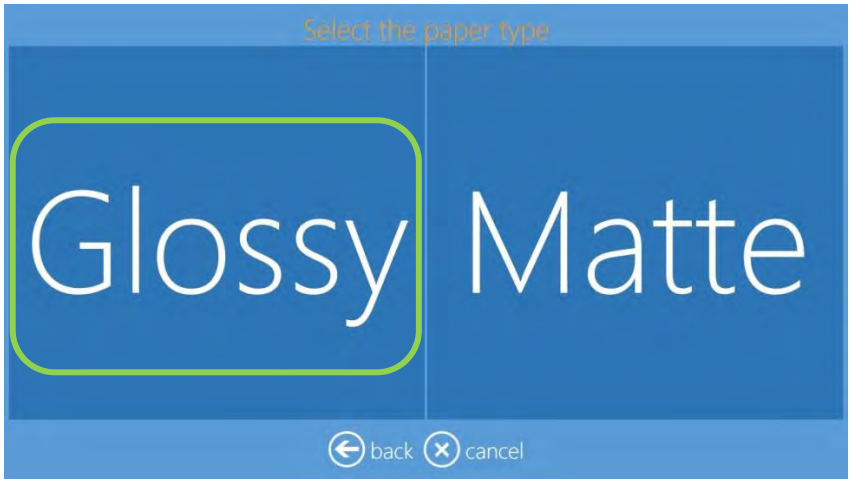
Printing Collages

1. Click the **Collages** button.

2. Select print size and orientation (i.e., horizontal or vertical.)



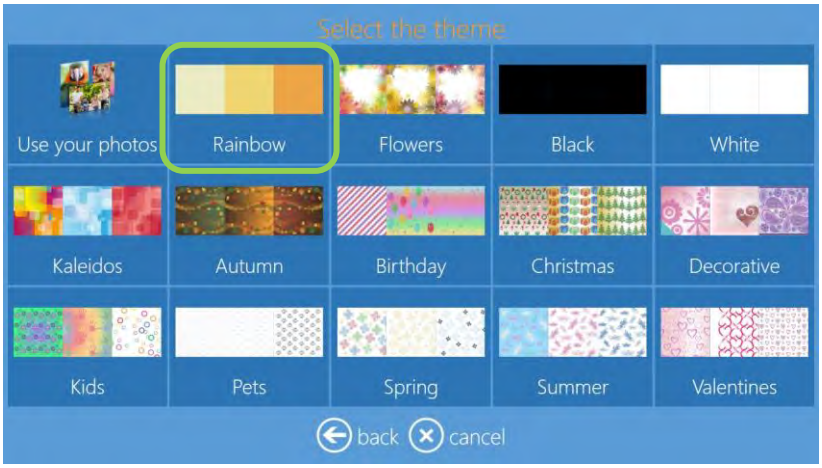
3. Select print finish.



4. Select the digital media type from which you want to load images.

5. Select two (2) to eight (8) images.

6. Select background. You can also use one of your own images as a background.
7. If ayou use one of your own images as the theme, then the software will select an image automatically.
8. You can change the background image during final image preview by selecting **Background**.



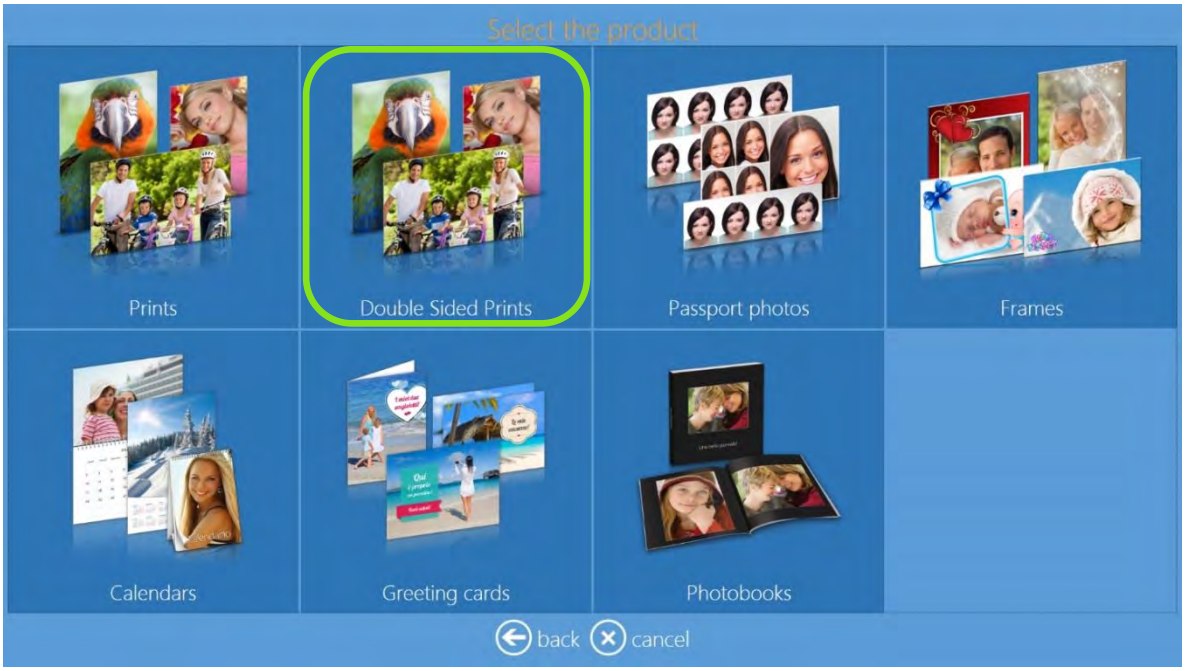
9. The **Page Preview** screen is displayed. Make any desired edits.

10. By clicking on an image it is possible to zoom and center it.

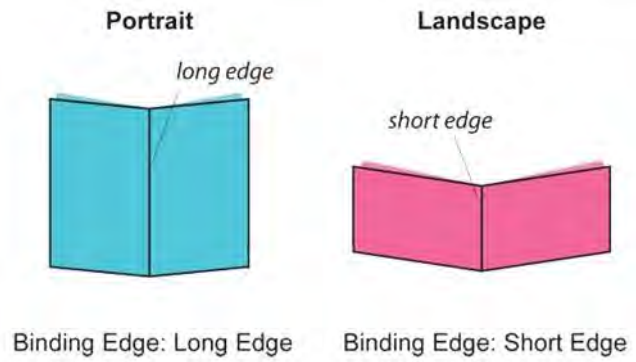
11. It is possible to add text, clipart, change the background, and shuffle the position of images.
12. Click the **Next** button to finish the process.

Duplex Print Products

Double Sided Prints



- The workwork flow for double-sided prints is same as the work flow for single-sided printflow.
- Landscape images are folded along the short edge. Portrait images are folded along the long edge.
- Long edge will mean that you turn from one page to the next along the long edge of the paper, much like an A4 magazine or brochure.



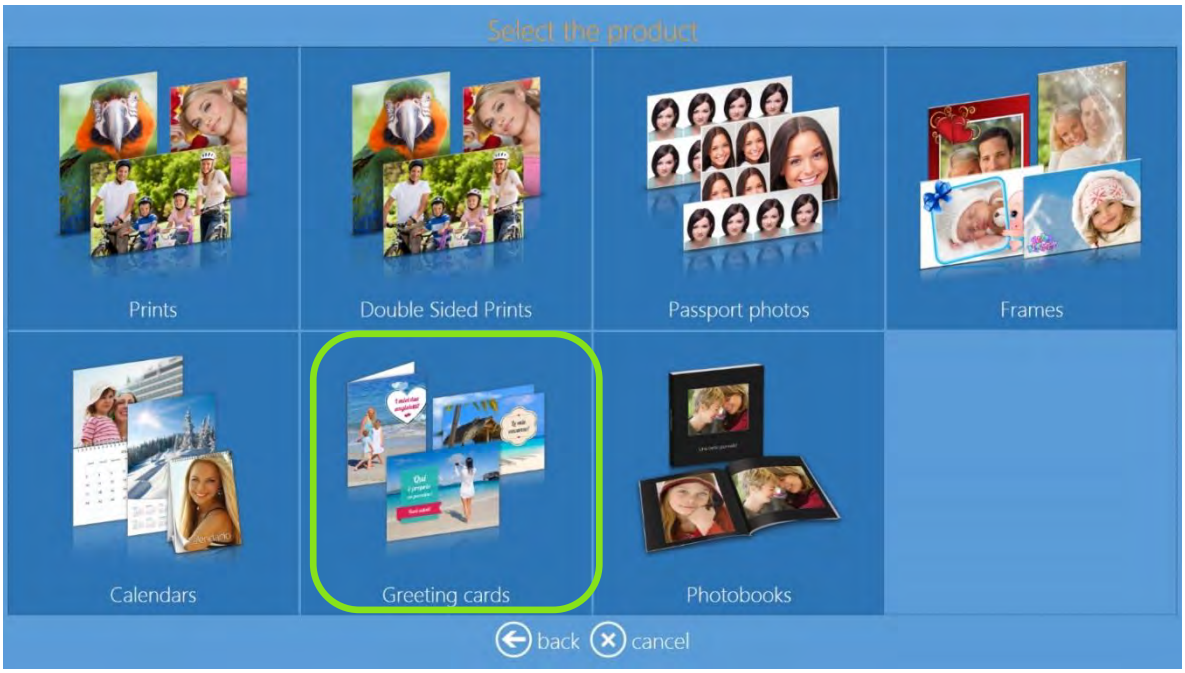
- Short edge would mean that you turn the page from the short edge of the paper, much like that of a notepad.

Note:
Double Sided Prints are available only with DS80DX printer along with other Duplex Products.

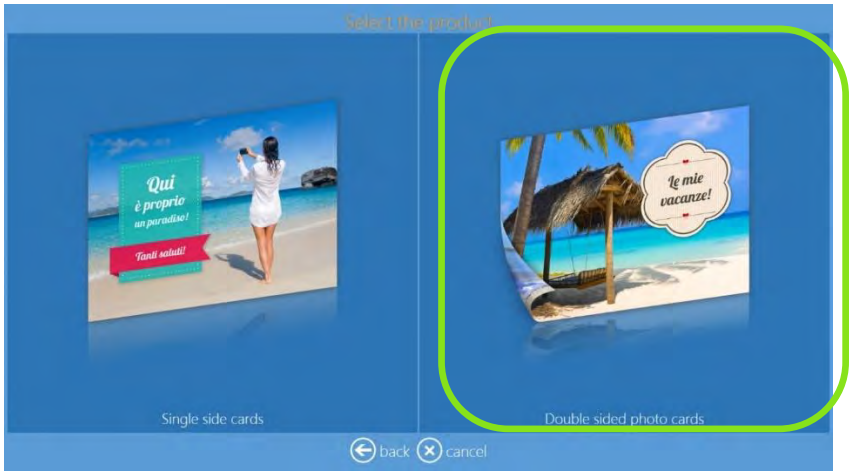
Printing Greeting Cards with the DS80DX

Follow these steps to create and print a Greeting Card.

1. Click the **Greeting Cards** button.



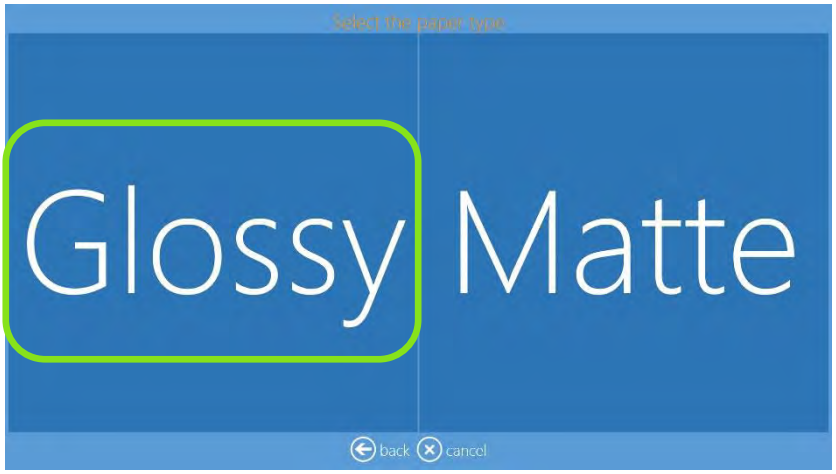
2. Click the **Double-Sided Photo Cards** button.



3. Select the digital media type from which you want to load images.

4. Select your images.

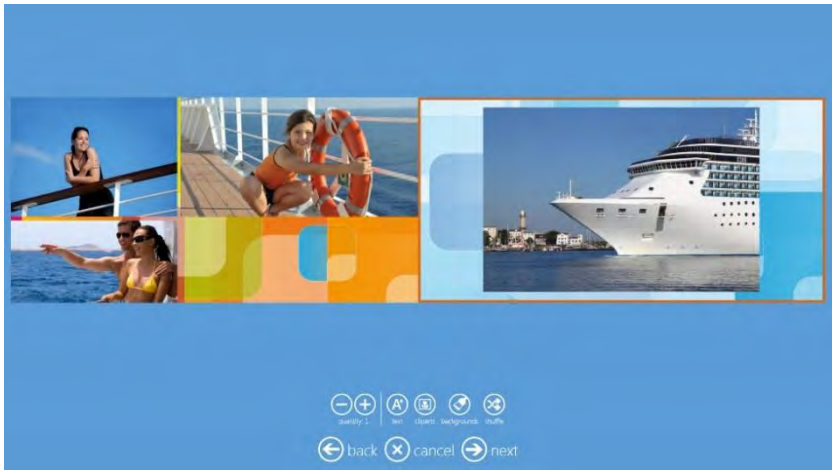
5. Select a paper finish.



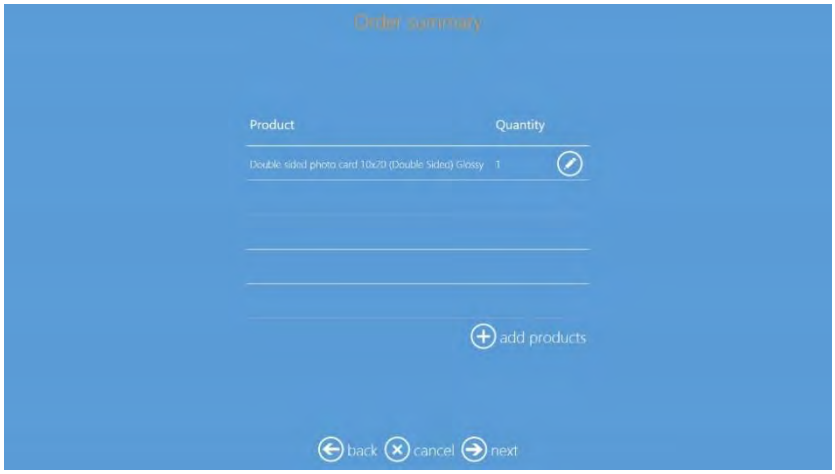
6. Select a background theme.

7. Change image sequence, if desired.

8. The **Page Preview** screen is displayed. Make any desired edits. See Editing Images in Kiosk Mode on page 56.



9. At the Order Summary screen, you can view your current order, add additional products, cancel your order, etc.



10. Type the **Customer Name**.

11. Click the **Next** button to finish the order.

Note:

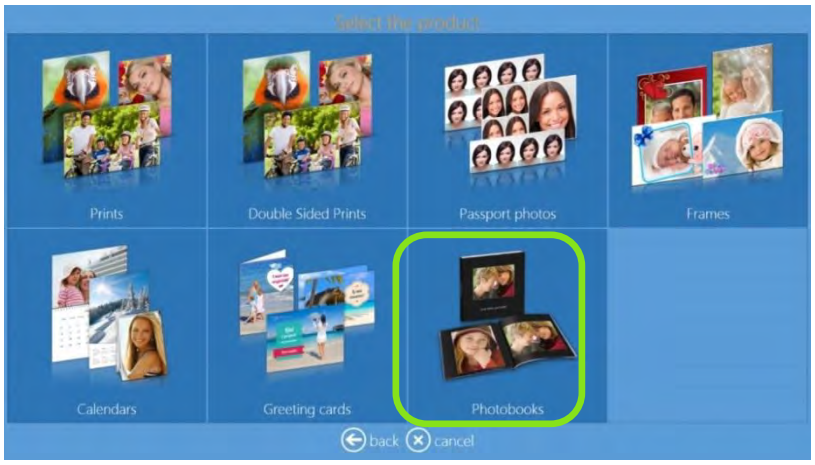
Greeting Cards: Are only available if DS80DX printer is connected and Duplex media loaded.

Quantity: The default quantity for 4x8 Greeting Cards is 3 for 8x12 Media. The default quantity for 6x8 Greeting Cards is 2 for 8x12 Media.

Photobook

Follow these steps to create and print a Photobook.

1. Click the **Photobooks** button.



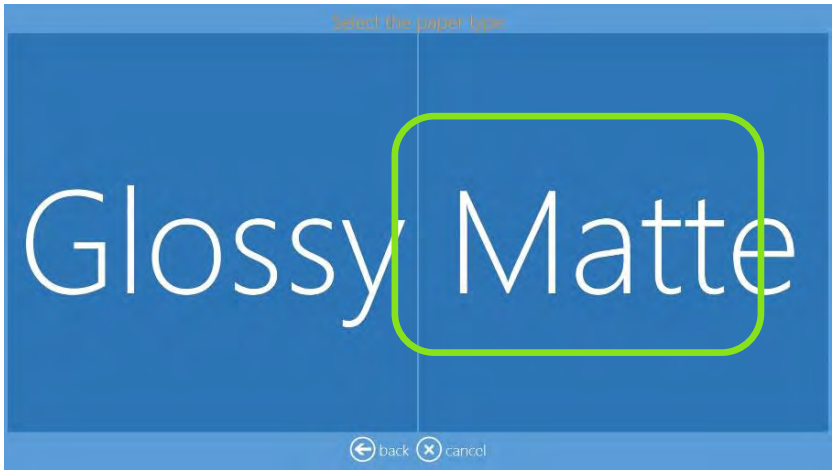
2. Select print size and orientation (i.e., landscape or portrait.)

3. Select the digital media type from which you want to load images.

4. Select your images.

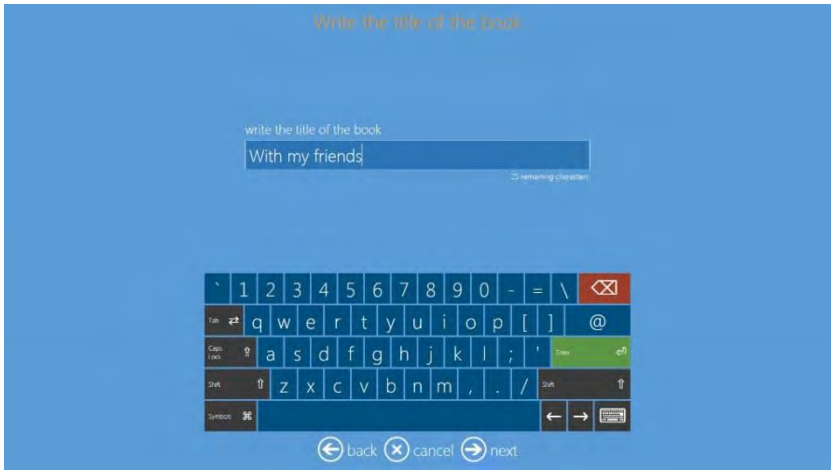
5. Select a background theme.

6. Select a paper finish.



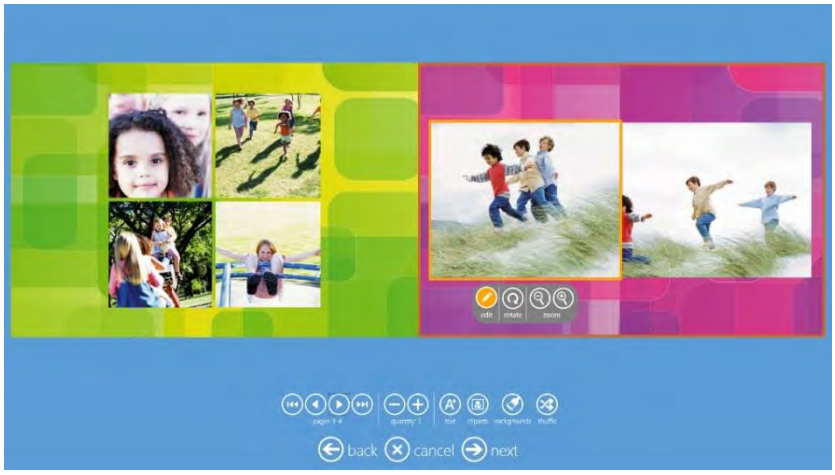
7. Change image sequence, if desired.

8. Type a **Book Title**.



9. Select an image for the cover of your Photobook.

10. The **Page Preview** screen is displayed. Make any desired edits. See Editing Images in Kiosk Mode on page 56.



11. At the Order Summary screen, you can view your current order, add additional products, cancel your order, etc.

12. Type the **Customer Name**.

13. Click the **Next** button to finish the order.

7. Editing Images in Kiosk Mode

Editing Simplex Products

After loadingyour images, they can be adjusted with multiple tools: crop, effects, fine rotation,and red eye.You can also add text to your images.

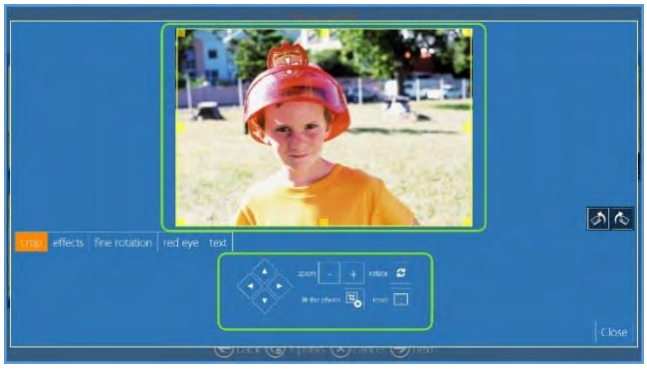
Edit

In the workflow, click on the EDIT button control to have the editing options. Other products will present edit page during its workflow.

- **Zoom**: view images one by one.
- **Sort**: can be sorted by name or by date.
- **Copies**: select **+** or **–** buttons to increase or decrease number of copies of selected image.
- **Edit**: opens the edit page

Crop

Touch and drag on yellow rectangle or use the buttons directly below the selected image to use only a portion of that image.



- **Right** arrow, **Left** arrow, **Up** arrow, **Down** arrow: Move Crop Box, right, left, up or down.
- **Zoom**: **+** or **-.**
- **Rotate**: To rotate the image.
- **Fit the Photo**: Fit the photo to the selected size, with a white border.
- **Reset**: To reset the changes and revert the image to its original state.

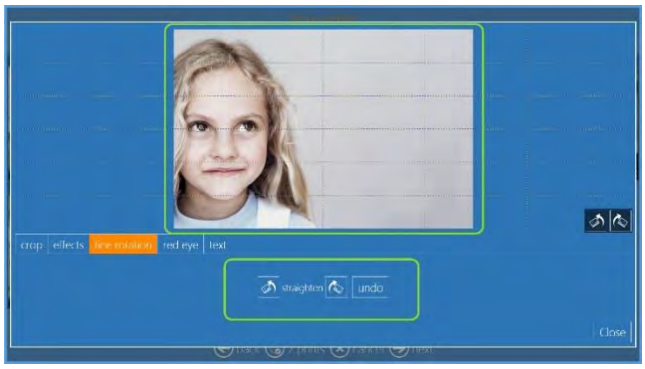
Effects

By clicking on the **AUTO** button the selected image will be automatically adjusted by local density correction.

- **Auto Color Correction**
  - **Auto**: On/Off toggle switch to enable Auto Color Correction for the selected image.
  - **Auto All**: On/Off toggle switch to enable Auto Color Correction for the all the images in the directory.
  - **Manual**: Enable adjusting the image colors manually.

Fine Rotation

By clicking on the fine rotation buttons, image can be rotated by small angle.



- **Straighten**
  - **Straighten Clockwise**
  - **Straighten Counter-Clockwise**
  - **Undo Straighten**

Red Eye

1. Click on the **+** button and wait a moment. If red eye is not automatically corrected, click on the **+** button again. The maximum correction level is 3.

- **Red Eye**

- Click on the image to display the **RedEye Control**.
- Select the correction area.
- Click on the **+** to apply the correction. The maximum times you can press the **+** button is 3.

Note: By default Auto Red Eye correction is enabled.

Text

Allows you to add text directly to the image, or anywhere on the template.

1. Click on the **Add Text** button.

2. Enter the desired text in the textbox.
3. In the same dialog box, you can set the the color of the text, font type, font size, etc.

4. Press **Enter** or the **OK** button to display the text on the image.

5. Select the text to position the text by dragging it, if necessary.
6. Select the text for further modification by clicking the yellow **Pencil** icon, if necessary.
7. Select the text and click on the Trash Bin icon to delete the text, if necessary.

Editing Multi-Page Products

Page commands

- **Navigation buttons**: To go to first page, back and forth between pages, and go to last page.
- **Quantity**: To increase and decrease quantity of the product.
- **Text**: To insert text and insert images.
- **Clipart**: To open the clipart selection window. Select a clipart and click the OK button.
- **Background**: To open the background selection window. You can select a background within the Theme or select an image to be used as background. Background can be applied to current page or to all pages.
- **Shuffle**: To automatically change the layout of current page.
- **Next**: To exit from page editing and proceed to the Order Summary page.

To Add ClipArt:

1. Click the **Clip Art** button
2. Select the file.

3. Click the **OK** button and the clipart is displayed on the page.

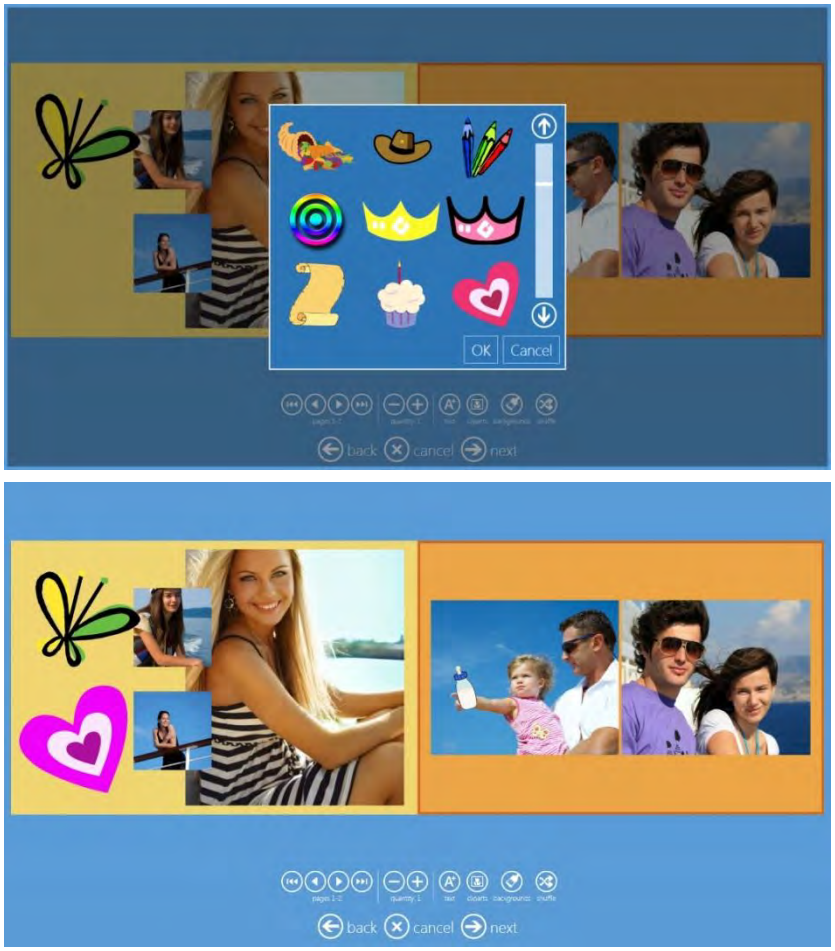
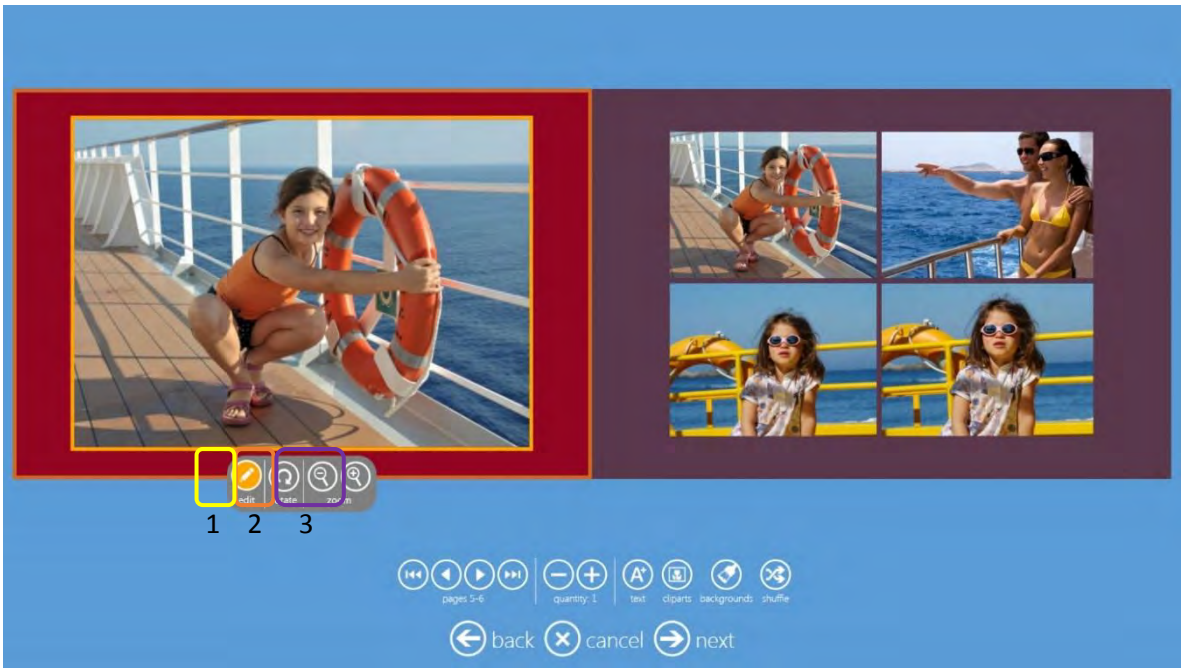


Image Editing

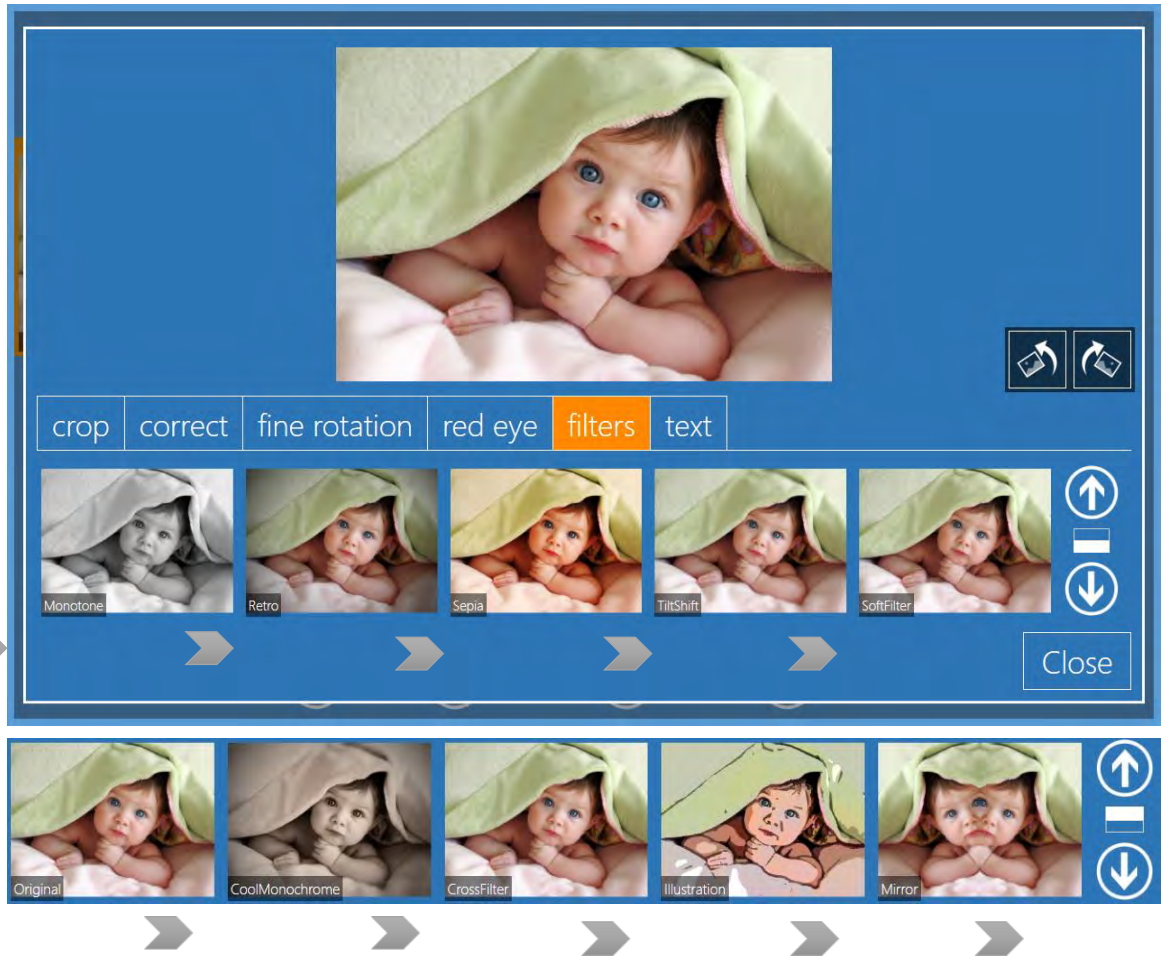


- **Edit:** Opens the editing window.
- **Rotate:** To rotate the image inside the box. The image is rotated 90°.
- **Zoom:** To enlarge and decrease image. Change position of image within the layout box.

Using Photo Filters

You can add filters to your images. The following filters are available:

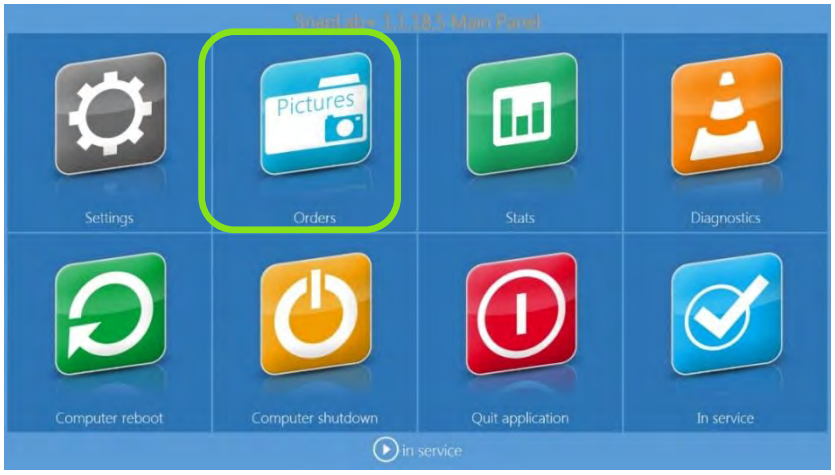
- Monochrome
- Retro
- Sepia
- Tilt-Shift
- Soft-Filter
- Original
- Cool-Monochrome
- Cross-Filter
- Illustration
- Mirror



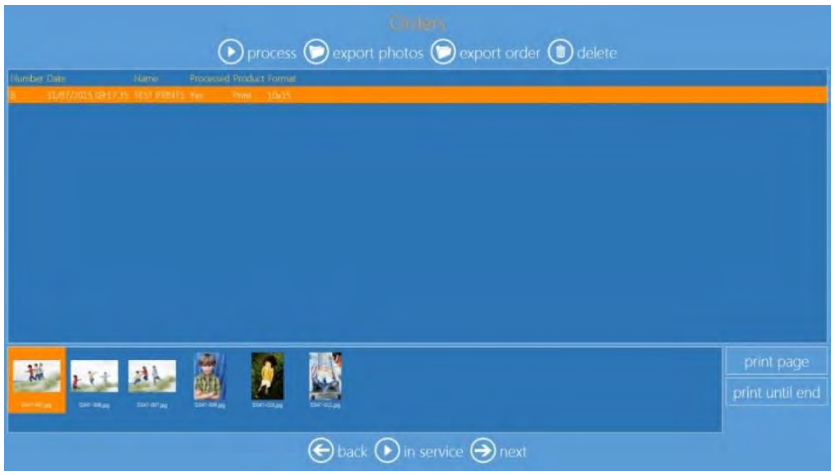
To access filters, click on the Edit button of any product workflow, and then click on the Filters tab.

8. Understanding Order History

1. From the **Admin** screen, click the **Orders** button.



2. The Orders screen is displayed.



- **Process**: A previous order is reprinted. A copy of the order is created.
- **Export photos**: Selected images are exported to a specified folder.
- **Export order**: The selected order is exported to a specified folder.
- **Delete**: The selected order is deleted.
- **Print page**: Select pages are printed.
- **Print until end**: Print all pages from the selected page to last page.

Event Mode Set Up

Event mode is made to help professional and event photographers with a fast and easy way to print images. It is based on the prints workflow, with possibilities to customize almost all functions in order to provide fastest possible service at the event. At beginning of workflow there is no product selection screen. Only prints are available so product selection screen is skipped. It is possible to load images from all media or only from a specific folder. Events mode is an alternate mode to the default “kiosk” mode.

9. HOT FOLDER PRINT

The *Hot Folder Print* function allows instant printing of images as they are dropped (copied) into a folder. There is one folder for each available print size. Folder name is same as related print size.

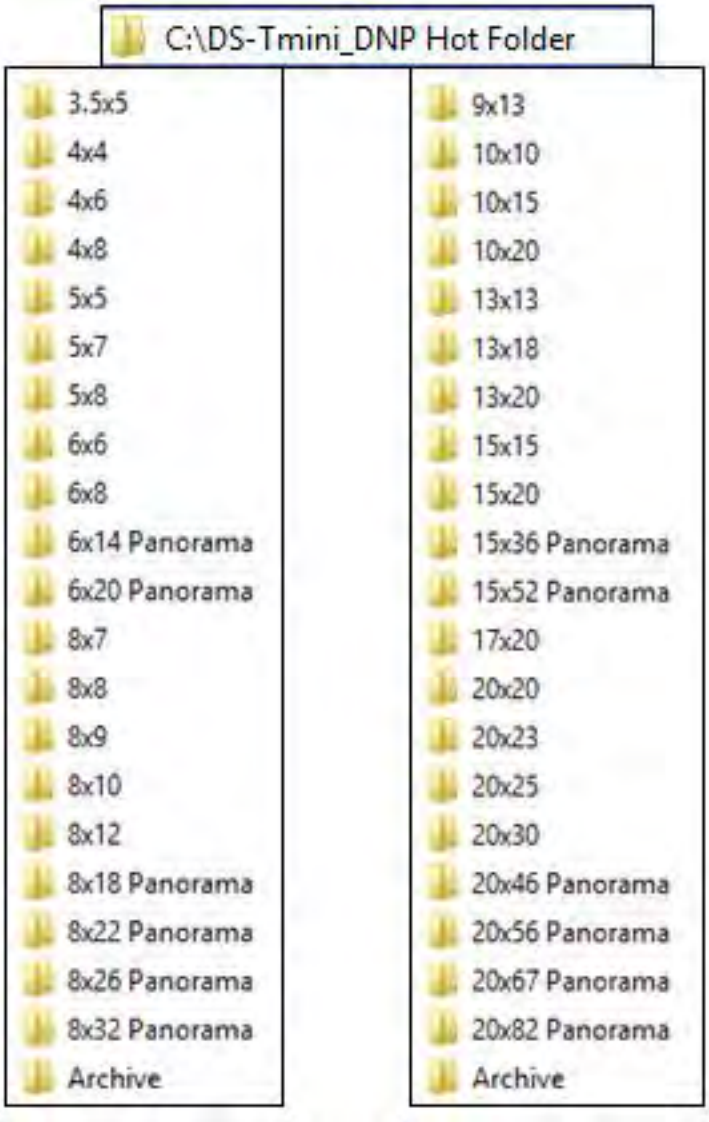
As an example, to print a 10x15 cm sheet copy an image into folder: “C:\DS-Tmini_DNP Hot Folder\10x15”.

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

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

3. The hot folders are created automatically according to connected printer under the folder “C:\DS-Tmini_DNP Hot Folder”.

This is an example of a system connected to a DS620 printer:



* inch * cm

4. To setup Hot Folder Print, enter **Main panel**, select **Settings** and then select **Hot Folders**.

5. The Hot folder settings window will show:

6. Use the descriptions below to make any necessary changes:

- **Enabled**: set Yes or No. If set to “No” the hot folder print function will be disabled. All settings will be kept in place.
- **Default quantity**: set default number of prints for each image copied into each folder.
- **Paper type**: set the paper finish to be used by all print sizes
- **Use default borders**: set Yes or No. If set to yes, images will be printed combined with PNG graphics set into the print channel.
- **Partial matte**: select form Diasabled / Matte / Fine Matte / Luster. If set one of the 3 possible finishes, it will perform partial matte finish using the graphic set into the print channel.
- **Keep the photos in an archive for these days**: set number of days printed images will be saved into “C:\DS-Tmini_DNP Hot Folder\Archive” folder. If set to 0 (zero) images will not be copied into Archive and will be erased from the hot folder immediately after printing.
- **Channels**: it will open print output channels window. Print channels and settings are same for all Snap Lab products. Only the button to access the print channels is duplicated.

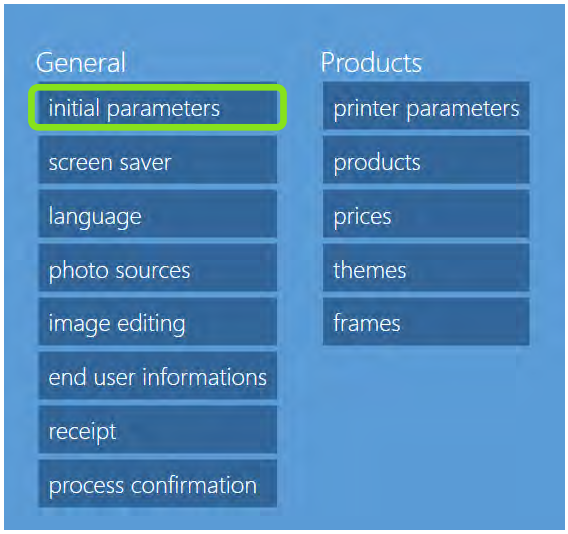
10. Admin Settings – General

7. Access the Main Panel by touching first the **left** and then the **right** lower corners of the monitor.

8. Click on the **Settings** button.

9. The general settings screen appears.

Initial parameters



10. From the Main Panel, press the **Settings** button.
11. From the Configuration screen, select the **Initial Parameters** option.
12. Use the settings below to change your configuration:

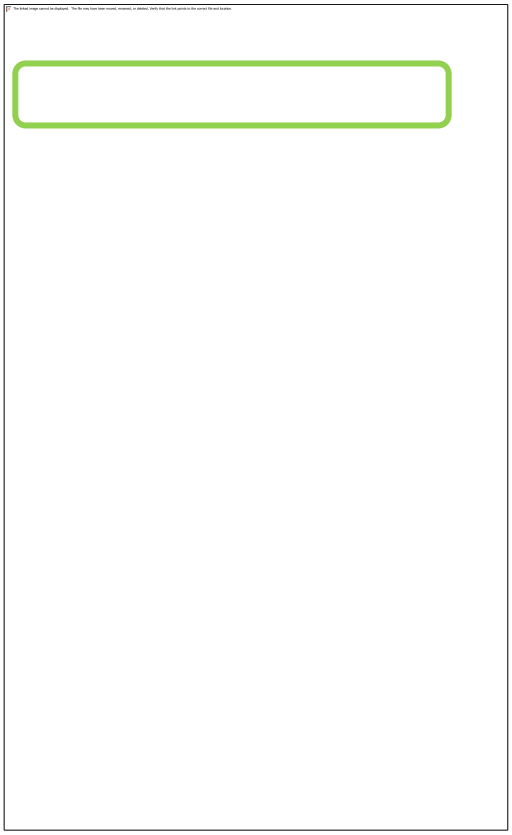
- **Run Mode** – Set to **Auto** to run the Snap Lab software automatically when you start the console. **Manual** mode requires operator interaction to start the software (double clicking the software icon).
- **Show Cursor** – Set to **No** to hide the system cursor (useful for touch screen devices). Set to **Yes** to show system pointer on the screen (useful for operation with a mouse).
- **Card Reader** – Select the appropriate card reader model from the available list.
- **Price Visualization Mode** – Change the price display method as needed. Available options are: **no price**, **maximum price**, **minimum price**, **all prices** (default option), and **first price** (price for quantity equal to one).
- **Number of Days Before Order Elimination** – Specifies the number of days until processed orders are deleted from the system.
- **Cancel the Order after this Time** – Number of days until cancelled orders are deleted from the system.
- **Fit or Fill** – Only used for the prints product. If set to **Yes**, the customer is asked whether they want to have their image cropped to the print size aspect ratio (**fill mode**) or shrunk to fit the full image on the print area (**fit mode**). **No** disables this option.
- **Display Warning after Photos are "Filled"** – When set to **Yes**, displays a warning when images are cropped using the Fit or Fill setting explained above.
- **Units** – Set the unit of measure for the system – metric or inches.
- **VAT Rate** – Enter the VAT tax rate for the country if applicable. If the country has no VAT tax, enter a value of 0.
- **Catch Printer Errors** – When set to **Yes**, a pop up screen appears if any printer errors occur while the system is in use. If you want to hide any printer errors from the interface, set the value to **No**.

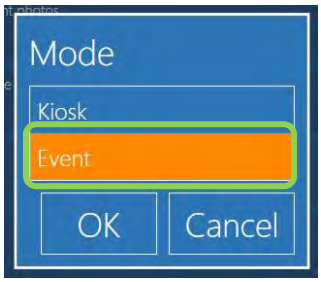
Set Up Event Mode

1. Enter the **Main Panel** by touching bottom left corner and then bottom right corner of the screen.
2. Click the **Settings** button.

3. Under the **General** section of the **Configuration** screen, click the **Mode** button.

4. Click the **Event** button. Make sure the **Event** mode is selected.

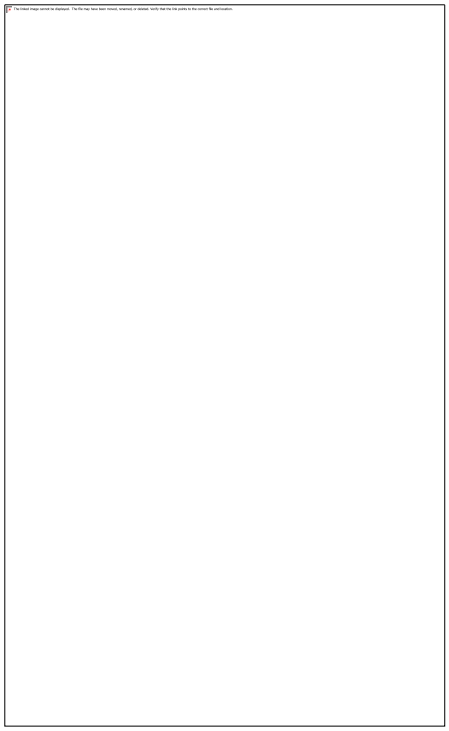


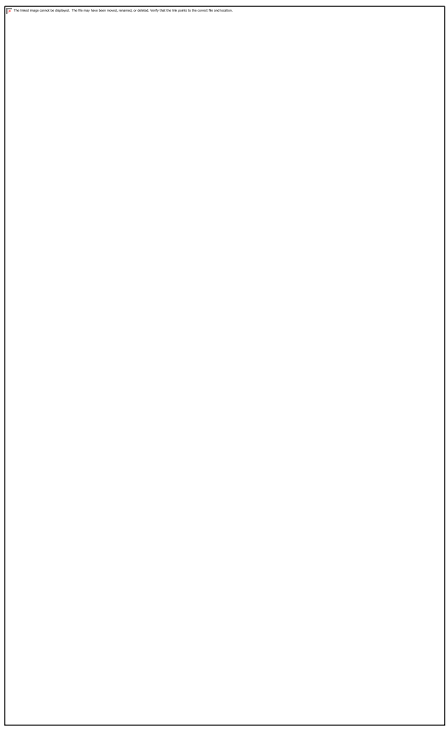


5. Your DS Series printers are set to operate in event mode.

Event mode settings

After setting your system to Event Mode, you can configure certain aspects of your system. You can use the scroll bar to reach all parameters.



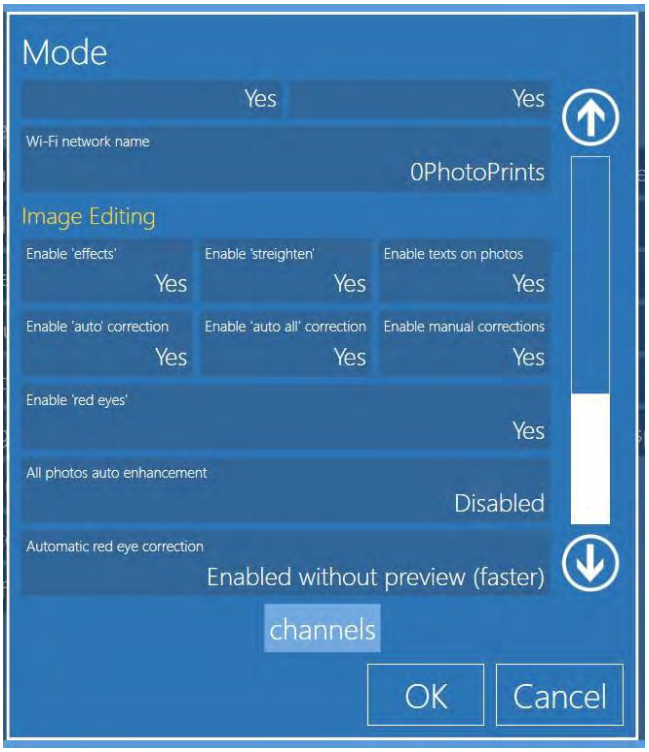


Description of each parameter

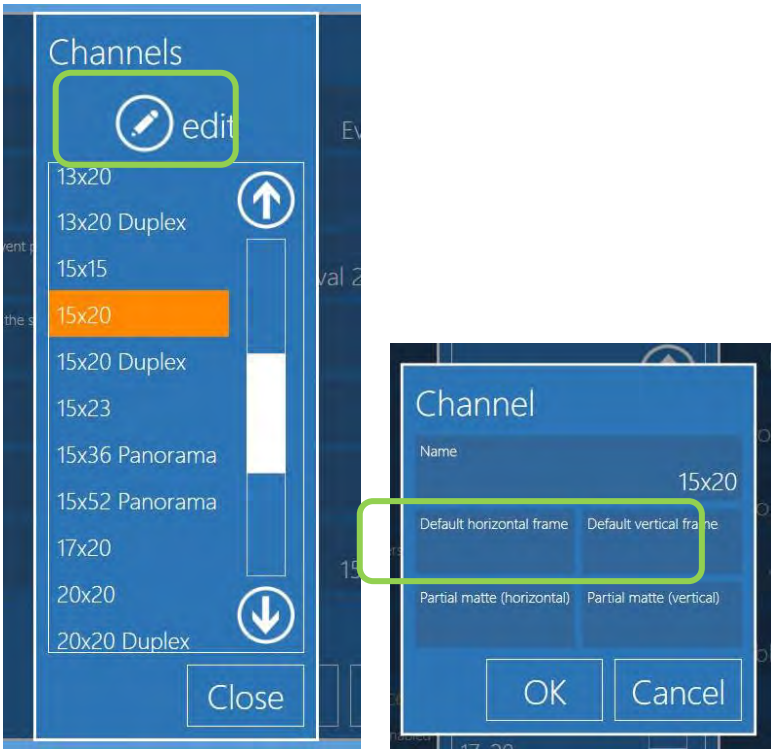
- Allow all media: set Yes or No. If set to Yes, Photo Editing Software will show media loading screen at beginning of workflow

- Directory with the event photos: if available, set the folder with images for the event.
- If “Allow all media” is set to “No”, at beginning of workflow Photo Editing Software will load all images only from this folder.
- If “Allow all media” is set to “Yes”, at beginning of workflow the image source screen is displayed and the folder will be visible along with image sources selection.

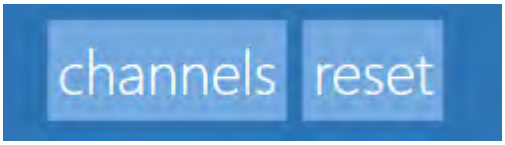
- **Use Event Photos in the Screen Saver**: The initial animation will display random images loaded from the folder set for the event.
- **Default Quantity**: Set default number of prints for each image selected by user.
- **Allow Photo Editing**: Set **Yes** or **No**. If set to **No**, the photo editing button will not be visible.
- **Product**: Set to **Manual Choice** the Photo Editing Software will prompt user with product selection screen. If a product is selected then this product will be the only one available and user will not be able to choose the product during event workflow.
- **Paper Type**: Set to **Manual Choice** the Photo Editing Software will prompt user with paper finish selection screen. If a finish is selected then this will be the only one available and user will not be able to choose the paper finish during event workflow.
- **Use Default Borders**: Set **Yes** or **No**. If set to **Yes**, images will be printed combined with PNG graphics set into the print channel.
- **Partial Matte** (For more details, please refer to the partial matte section page 18): Select from Disabled / Matte / Fine Matte / Luster. If set one of the 3 possible finishes, it will perform partial matte finish using the graphic set into the print channel.
- **Photo Sources**: Select **Yes** or **No** for each image souce. This will show or hide the corresponding button on image source screen.



- **Image Editing**: this is a duplicate of settings of kiosk mode. These settings will affect only Event mode.
- **Channels**: By selecting “channels” button it is possible to edit some parameters for each print output.
- As an example, select 15x20 cm / 6x8’’ and then select “edit” button. The channel settings window will be available.

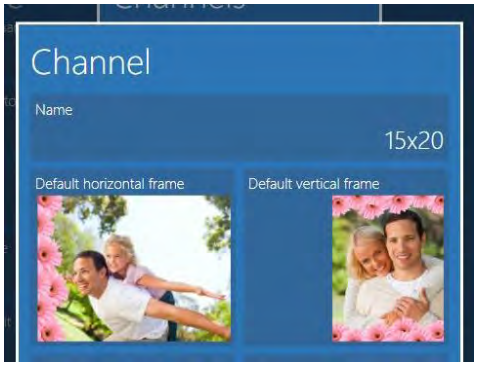


- **Reset**: Reset button function to reset the Event mode settings to standard kiosk mode as the software default settings.
- The operator or the client needs to go back to Event mode for further configuration of event mode.



- **Default Frame**: it is possible to select a frame from existing Snap Lab library or from any image source. Frames must be instered in pairs: one for horizontal (landscape) printed images and one for vertical (portrait) printed images. A frame is a PNG file with transparency in the area where user image will be displayed.
- Frame must have same aspect ratio of the print channel.

The selected frames will show into channel settings window:



- **Partial Matte**: Similar way of frame settings, it is possible to select partial matte graphic. Partial matte graphics must be selected in pairs: one for horizontal (landscape) images and one for vertical (portrait) images.

A partial matte image is a JPEG file with white background and black graphics. Must have same aspect ratio of selected print channel. In correspondence to black graphic the printer will apply the paper finish selected into Event mode settings.

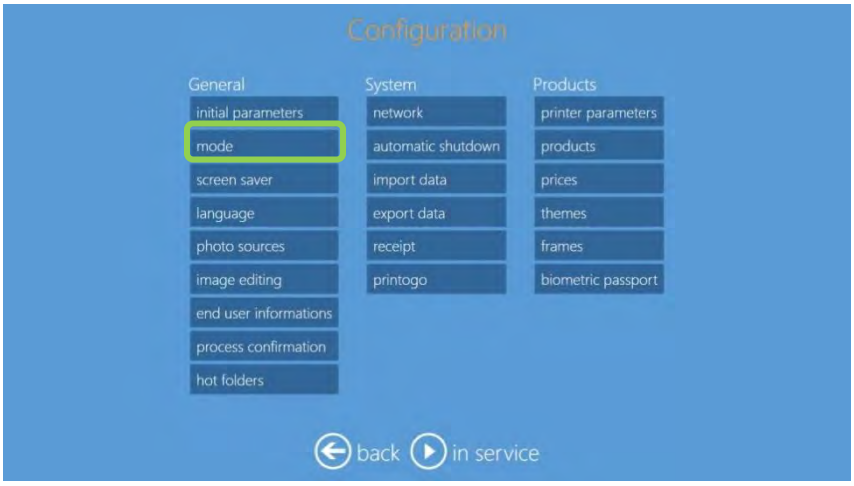
Print Finish Mode

Partial matte is a new feature of the DNP DS620 and DS820 printers. It is the ability to partially coat a section of a photograph with a matte finish. A single print can have different finishes in different areas. This can be used to highlight specific elements (foreground, background, text, etc.), or allow you to add a logo or brand name in a distinctive manner.

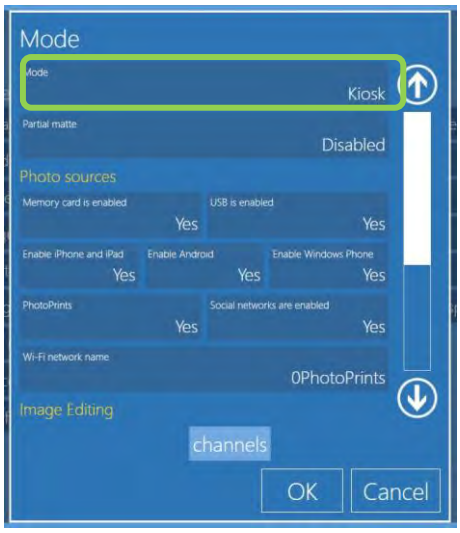
In the photo below, the DNP logo is printed in matte while the rest of the picture retains a glossy finish.

Partial matte can be applied to all products with exception of passport products.

1. To enable partial matte, enter **Main panel**, go to **Settings**, and select **Mode**



2. Select **Kiosk.**



3. Select **Partial Matte** and the finish you prefer, **Matte** in this example.

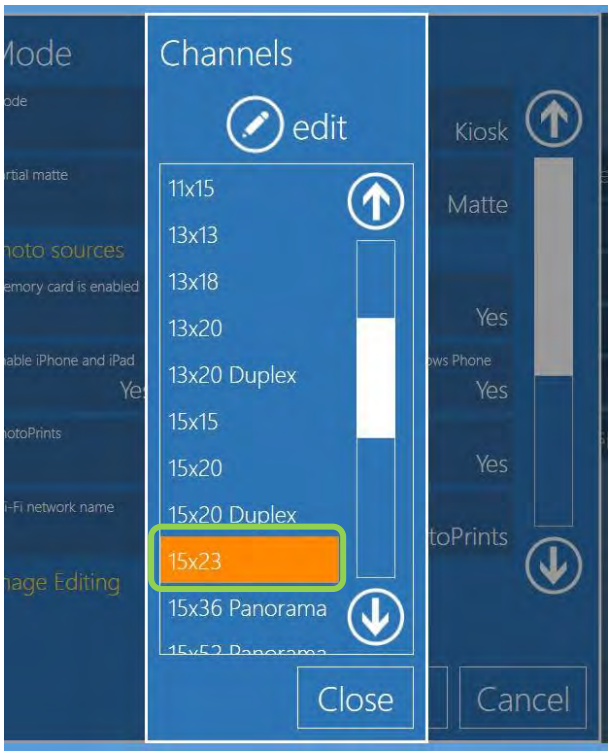
4. With the above setting, a portion of the print will have a matte finish. The rest of the image will hve the default print finish type (in this example, glossy).
5. The partial matte finish areas are defined by *print channels*, or graphic overlays which are used to distinguish matte area for each available print size. Graphic overlays must also be configured in pairs – one for the portrait (vertical) orientation and one for the landscape (horizontal) orientation.

6. A graphic overlay is a JPEG file with white background and black masked area to define the partial matte placement. When the graphic overlay is used, the printer applies the selected partial matte finish type to the masked area.
7. Each graphic overlay used for partial matte finish must have the same aspect ratio as the selected print size.
8. The Photo Editing Software provides a sample graphic overlay (DNP logo) for each print size. You can create custom overlays using the same properties and settings as the provided sample overlay.

Setting the Partial Matte Area

1. To open the partial matte settings, go to the Main Panel and press the **Settings** button.
2. From the Configuration screen, select **Mode**, **Kiosk Mode** and then **Channels**.

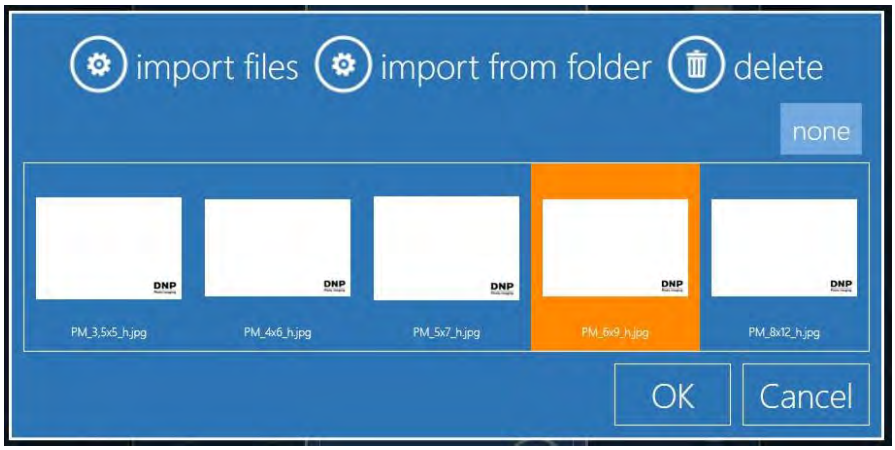
3. The Channels screen opens. Select the **print size** you want to adjust.



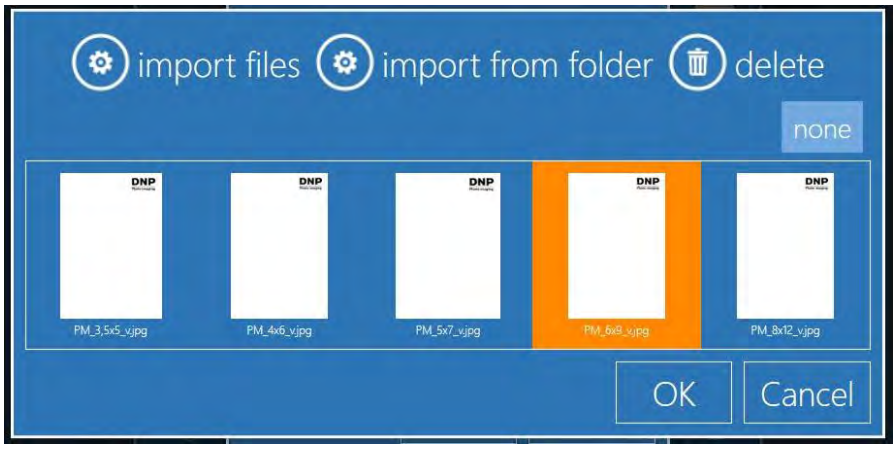
Attention:
You must import graphic overlays for both the horizontal and the vertical print size orientations.

4. Select a finish and orientation option (default/partial matte and horizontal/vertical). In this example, select **Partial Matte (Horizontal)**.

5. Choose the graphic overlay you want to use from the listed options.
6. If the overlay you want to use is not listed, add new overlays using the **Import Files** (import an individual overlay) or **Import from Folder** (import multiple overlays) options.



7. Repeat the above process for selecting the vertical orientation as well.



8. Once you have selected your overlays, the Channel screen displays your updated selections.

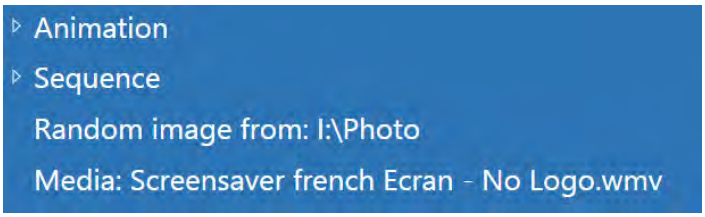
9. Press **OK** to save your changes. The partial matte overlay will now print on any images with that print size.

Screen Saver

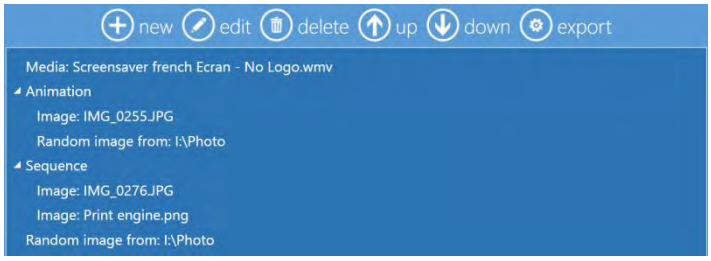
Use the Screen Saver section to make changes to the screensaver that is shown when the system is not actively in use.

Navigating the Screen Saver Screen

1. Use the **Up** and **Down** arrow buttons to select the desired screen-saver.

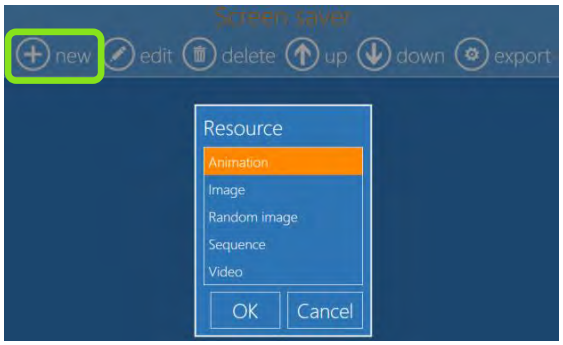


2. To edit the settings for a screensaver, press the **Edit** button.
3. To delete a saved screensaver, press the **Delete** button.
4. To export a screen saver to another location, press the **Export** button.

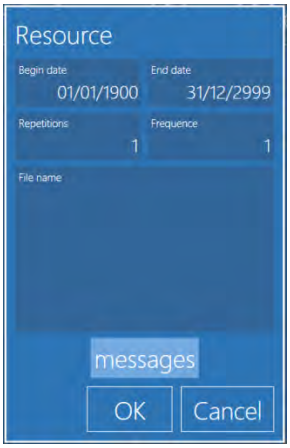


Creating a New Screen Saver

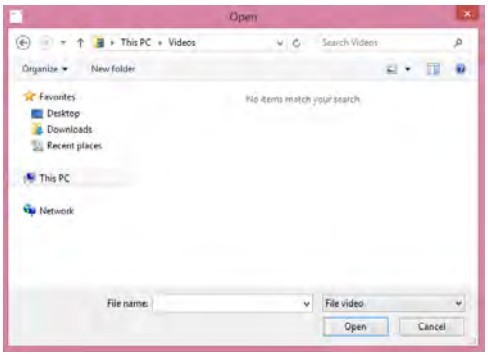
1. To open the Screen Saver section, from the Main Panel, select **Settings**.
2. From the Configuration screen, select **Screen Saver**.
3. Press the **New** button at the top of the page to start a new screen saver.



4. Select a resource option. Enter the folder location for that resource file (or files) and any other parameters such as duration, number of repetitions, title, etc. Any text you add is added to the end of the slideshow or video.
   - **Animation**: Loads an animated screen saver file.
   - **Image**: Display a static image as the screen saver.
   - **Random Image**: Displays images from the chosen location in random order.
   - **Sequence**: Displays images from the chosen location in sequence.
   - **Video**: Loads a video file to use as the screen saver. (The Snap Lab system is not equipped to handle large video files.)
5. As an example adding a new video screen saver is as easy as:
6. Select **Video** from the resource list.

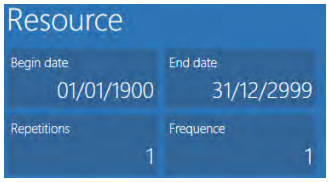


7. Browse to the **video location**.

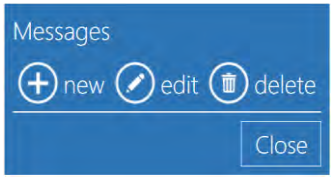


8. Press **Open** to open the video and return to the video resource settings.

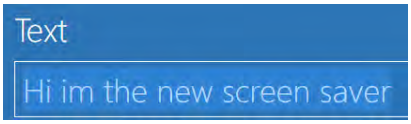
9. Change the **Repetitions** and **Frequence** settings to your desired output. Repetitions defines the number of times a video will loop. Frequence defines the frequency the video will play.



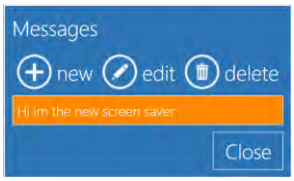
10. Click **Messages** and **New** to add a text message at the end of the video.



11. Enter your text and press **OK** to continue.



12. Click **Close** to close the message window.



13. You can preview the video or close the window when you finish.

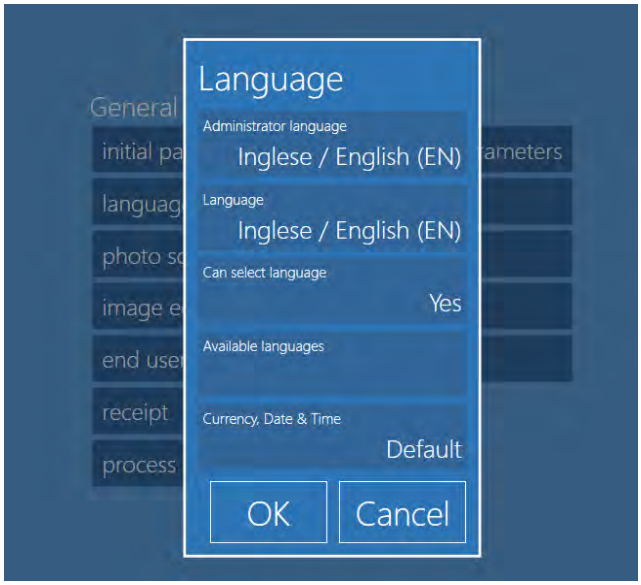
Language

The Photo Editing Software offers the following languages.

Available Languages	
Catalan Spain	Italian
Czech	Japanese
English Canada	Norwegian
English UK	Polish
English US	Portuguese
Dutch Netherlands	Romanian
Finnish	Russian
French France	Spanish Spain
French Canada	Spanish Argentina
German	Spanish Colombia
Greek	Swedish
Hungarian	Ukrainian

Changing the Language Settings.

1. From the Main Panel, select the **Settings** button.
2. From the Configuration screen, select the **Languages** option.



The following settings can be adjusted:

- **Administrator Language**: Display language for the administrator section of the software. The software must be restarted for the changes to take place.
- **Language**: Display language for the user interface
- **Can Select Language**: Allows the user to select from the enabled languages for the user interface.
- **Currency, Date & Time:** Select the default time, date, and currency settings by country. The country's settings will be shown in the interface and on any receipts.

Photo Sources

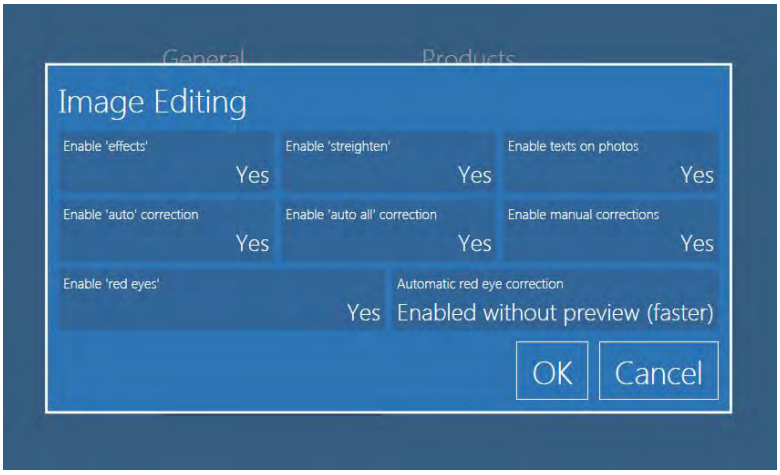
Use the following settings to define the sources from which images are uploaded to your system.

- **Social Networks are Enabled**: Allows loading of images from social networks. **Yes** enables the setting, **No** disables the setting. Internet connection is required for this feature to work properly.
- **Favorite Directory 1-3**: The system allows you to set up to three pre-configured directories from which users can load images. If a directory is listed, a directory button will be shown on in the user interface.

- **Image Quality Verification**: This setting will specify a low-level resolution parameter to warn customers of possible image quality issues.
  The levels are defined as:
  - ➔ **High**: Warns users for images with a resolution lower than 300 DPI (dots per inch).
  - ➔ **Low**: Warns users if the image resolution is less than 150 DPI.
- **Wi-Fi Network Name**: Name of the Wi-Fi network that is used with the system. The network name you enter must match the network you have created for use with the system.

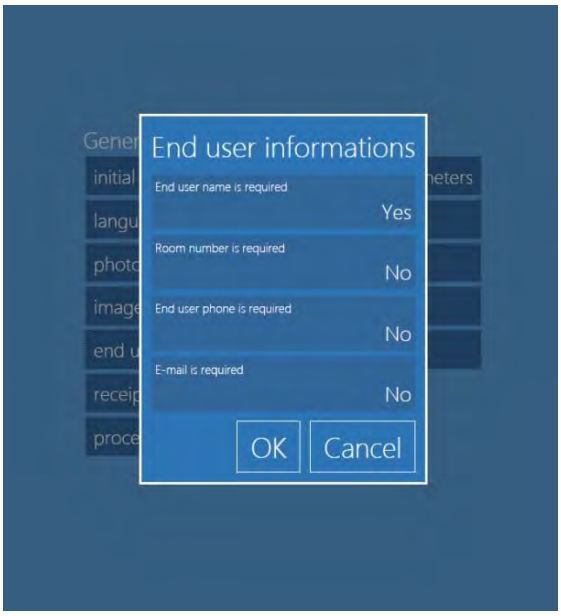
Image Editing

The Image Editing section allows you to configure your editing settings.



- **Enable 'Effects':** Enables all effects available for images such as black and white and sepia color tones.
- **Enable 'Straighten':** Allows for fine orientation adjustments to images (small degree rotation).
- **Enable Text on Photos**: Enables the text-on-image button for use.
- **Enable 'Auto' Correction**: Enables automatic color correction. This is for individual images.
- **Enable 'Auto All' Correction**: Displays the button to correct color automatically on all images.
- **Enable Manual Correction**: Allows for manual color correction to individual images.
- **Enable Red Eyes**: Displays a button for correcting red eye effect.
- **Automatic Red-Eye Correction**: Displays a button to correct red eye effect on all images automatically.

End User Information



- **End user name is required**: Requires the customer name to process the order.
- **Room number is required**: Requires a room number to process the order. This setting is especially helpful in for hotel and cruise ship applications.
- **End user phone is required**: The user must enter a phone number to process the order.
- **E-mail is required**: Requires an email address to process the order.

Process Order Confirmation

The Process Order Confirmation section allows orders to be released in a variety of ways.

- **Order Confirmation Mode**: allows for the following release options:
  - **No Process confirmation**: Releases an order when it is submitted. By default the system is configured with No Confirmation (automatic process).
  - **Confirmation with Password**: Enter a numeric password to release orders.
  - **Confirmation with Keypress**: Enter a keyboard number sequence to release the order.
  - **Release by Operator/Manually**: Orders can only be released by an operator using the new order release screen.
  - **Release with Barcode**: Orders are released with a barcode (requires barcode scanner and receipt printer).

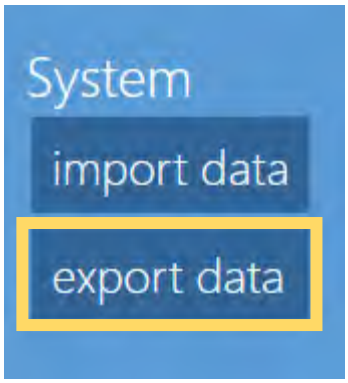
- **Requires Confirmation for Total Above**: Threshold for requiring a release restriction by monetary amount. Enter the amount to trigger the password confirmation. Orders equal or above this amount prompt for password, orders below this amount are printed without password.
- **Print Receipt**: If enabled, an order receipt is printed for the user. This is useful with order release to show the cashier how much needs to be paid before the order can be released.
- **Print Receipt with Order Unlocks Code**: If enabled, prints the order receipt including the unlock code. Use this option when you have a network receipt printer located close to the cash register so the customer can pay for the order and then receive the unlock code. The unlock code is thenentered at terminal to print the order. The printed unlock code is unique for each order.
- **Printer to use for Unlocks Code Receipt**: click on the button to setup the printer for receipt with unlock code. It could be useful to setup a network printer positioned close to cash register.
- **Custom Text for Confirmation View**: enter the text to show to users which will replace default text on password request screen.
- **Timeout for Order Confirmation**: if set to 0 (zero) there will be no timeout, otherwise kiosk will go to welcome screen after set minutes of inactivity on password entering screen. The order will be deleted.

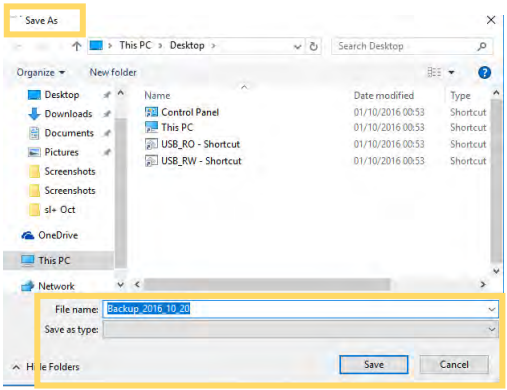
Import/Export Settings

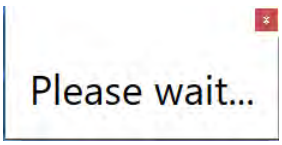
You can apply a system configurations across multiple consoles.

Exporting a Configuration File

1. Open the Main Panel and select the **Settings** button.
2. From the Configuation page, select **Export Data**.
3. When the Save As box appears, select where you want to save your configuration file.
4. Click Save to save the file.
5. It will take a few minutes for the configuration file to save. A please wait message is shown during the saving process.
6. When the system returns to the Configuration page, the export is complete.





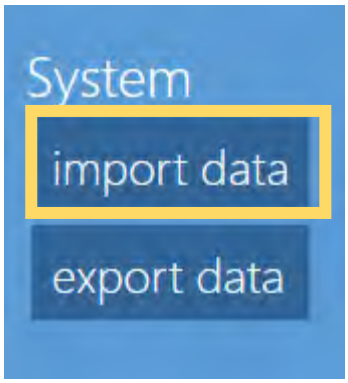


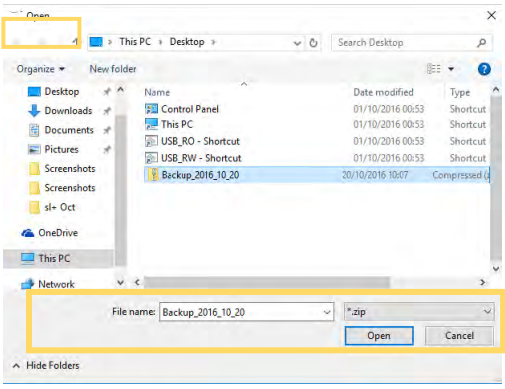
7. A few notes about the exported data:
    - Only availaible with the Snap Lab system.
    - The export process saves off all configuration data to the system.

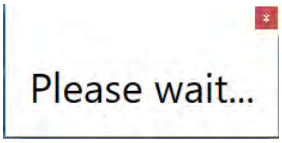
- The process can take up to 10 minutes.
- If the save location is a portable drive (USB or SD), then the process can take longer.
- If frames and templates are included in your system configuration, the process can take longer.

Importing a Configuration File

1. Open the Main Panel and select the **Settings** button.
2. From the Configuation page, select **Import Data**.
3. When the Open box appears, select the location where your configuration file is saved.
4. Click **Open** to begin the configuration.
5. The configuration file is imported and applied to the system. This may take up to ten minutes. A “Please wait” message is displayed while the update is applied.
6. Once the update is done, you are returned to the Configuration page.



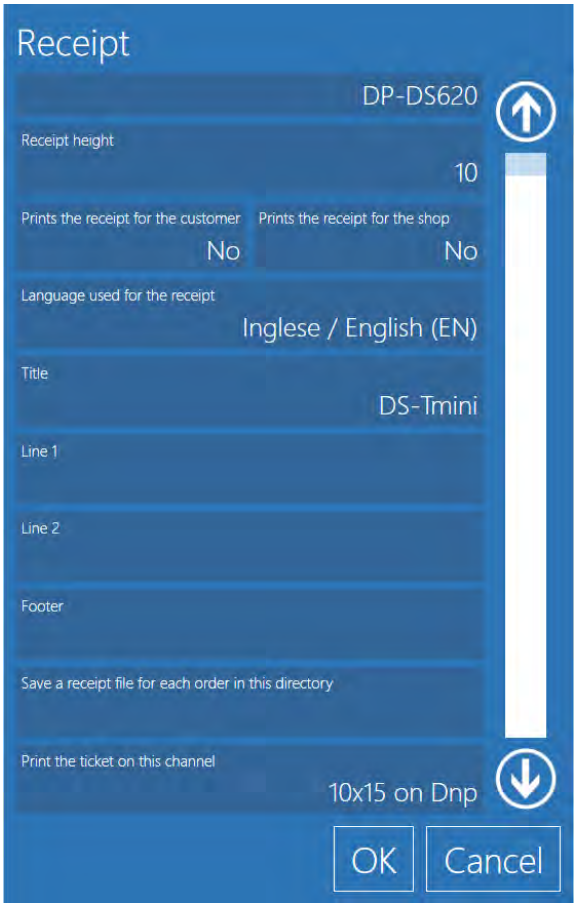




7. A few notes about the imported data:
    - Only availaible with the Snap Lab system.
    - The import process applies all configuration data to the system.
    - The process can take up to 10 minutes.
    - If the save location is a portable drive (USB or SD), then the process can take longer.
    - If frames and templates are included in your system configuration, the process can take longer.
    - Biometric data settings and licensing cannot be applied to other systems.

Receipt

With this setting it is possible to setup an optional receipt printer to release a printed receipt after submitting an order. Before configuring the receipt printer settings, receipt printer driver must be installed on the operating system.



- **Receipt**: Select your receipt printer from list of installed printers.
- **Receipt Height**: Fixed value for DS620 printer receipt.
- **Print the Receipt for the Customer:** If enabled a receipt is printed at the end of each order.
- **Print the Receipt for the Shop**: If enabled, a second receipt is printed for the shop assistant.
- **Language**: Selects the language used on the receipt print from a list of available languages.
- **Title**: Title field for the receipt. Can be customized for different events or stores.
- **Line 1 and 2**: Optional text fields that appear under the title field on the receipt.
- **Footer**: Text printed at the end of every receipt.
- **Save a Receipt File**: Select a directory to save copies of each receipt file.

Supported Receipt Printers

- *DS620* as receipt printer, the printer driver is already installed.

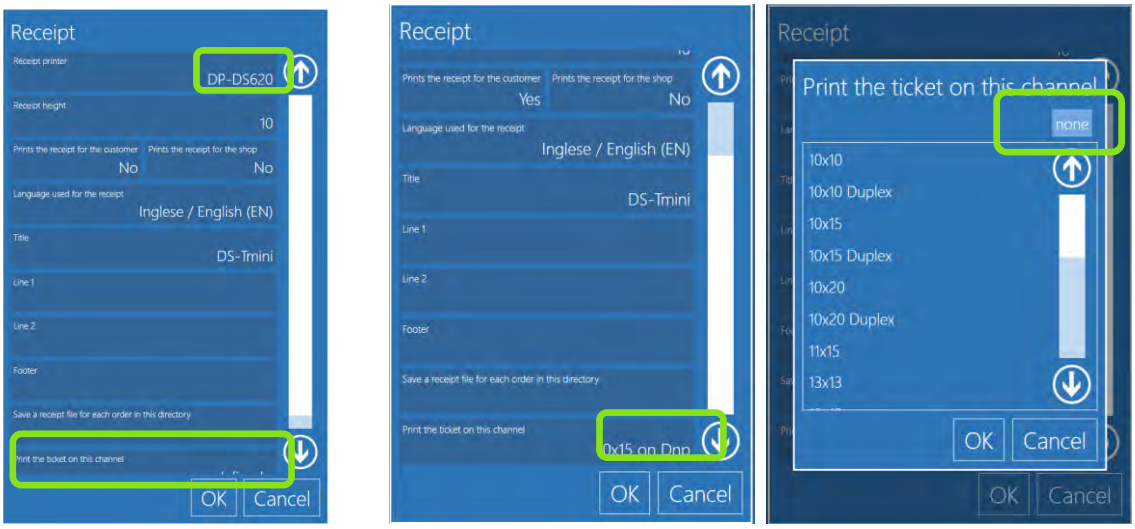
- While using a DS620 as receipt printer, the supported print formats are 6x8 media (4x6 (10x15) & 6x8 (15x20) print sizes) and 5x7 media (5x7 (13x18 cm)).

- *EPSON TM-T20 USB* as receipt printer, the printer driver is already installed.
  - The device must be connected & configured to release the receipt printer.

NOTE:
The system can accept other types of receipt printers provided the printer driver is installed. The receipt printers must be configured in the system. The Photo Editing Software cannot release a receipt print if the receipt printer is not configured properly.

Configuring the Receipt Printer

1. Open the Receipt printer options.
2. From thethe Receipt Printer field, select **the receipt printer you want to use**.
3. Locate the Print the Ticket on the Channel option and select the desired **print size**.
   If you are using a *DS620 printer*, select the **desired print size** for the type of print media loaded.
   If you are using the *Epson TM-T20 USB* receipt printer, select **NONE** for the print size option.



4. Click on **OK** to save your changes.

Note:
If you are using a DS620 printer for your receipts and you want to turn off receipt printing, follow the above steps and press the **NONE** button to remove the DS620 as the printer.

Barcode and QR Code Settings

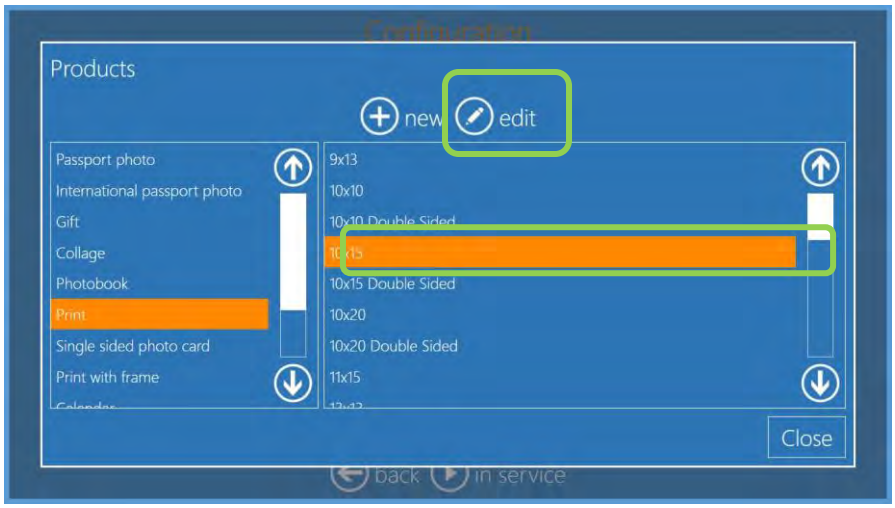
Use the following section to add barcodes or QR codes to your receipt.

Adding a Barcode for Each Product

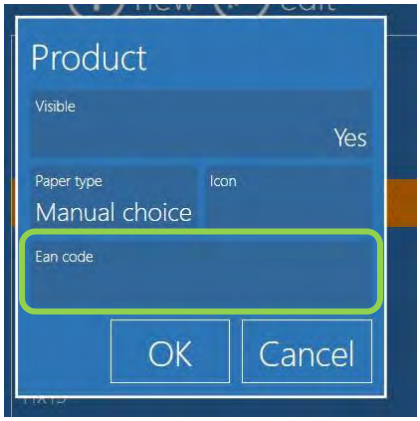
On the receipt ticket it is possible to print a barcode for each product. This will allow faster and more reliable pricing and payment at cash register. The barcode with the related product code will be printed on selected receipt ticket printer in the EAN 13 format. There are two steps to setting up barcode printing: enter the EAN code for each product and enable barcode printing in receipt settings.

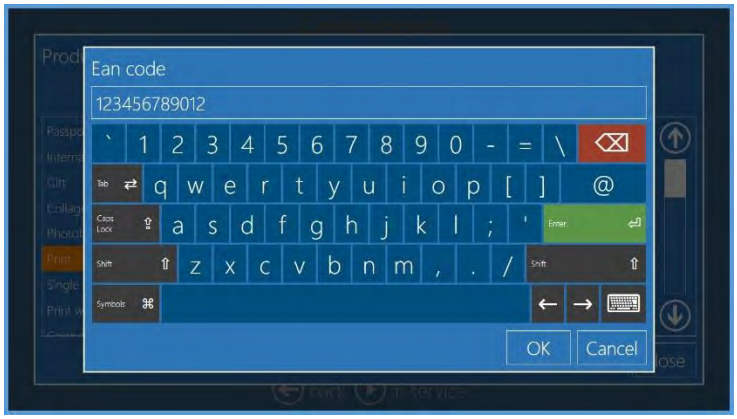
1. To enter EAN codes, enter the Configuration screen, then select **Products**.

2. Select a product, as an example print 10x15, and select **Edit**.



3. Select the EAN code field and enter the 12 digit EAN code for that product. Please note that Photo Editing Software will accept only 12 digits numeric code.Press **OK** to save your changes. Press **OK** again to save your product changes.





4. To enable barcode printing, open the Configuration screen and select **Receipt**.

5. Scroll down to the Print EAN code and set to **YES**.

6. If a product has an EAN code then this code will be printed on the ticket. There will be one barcode for each product line in an order.

Adding a Barcode to Release the Order

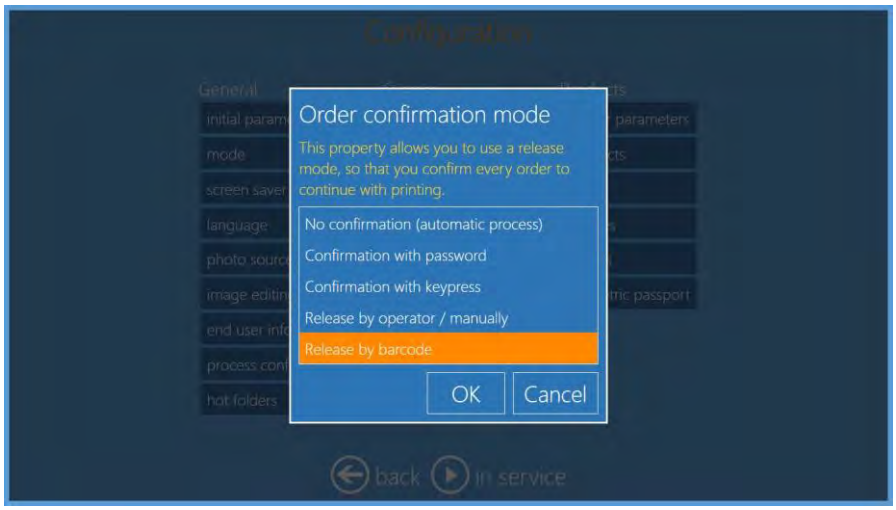
Attention:
To use this feature, you must have an additional barcode reader device and a receipt printer.

In addition to releasing orders with a password or by an operator, you can also release orders using a barcode.

1. To enable barcode release, enter the Configuration page and select **Process Confirmation**.

2. Select the Order Confirmation Mode field.

3. From the list, select **Release by Barcode**.



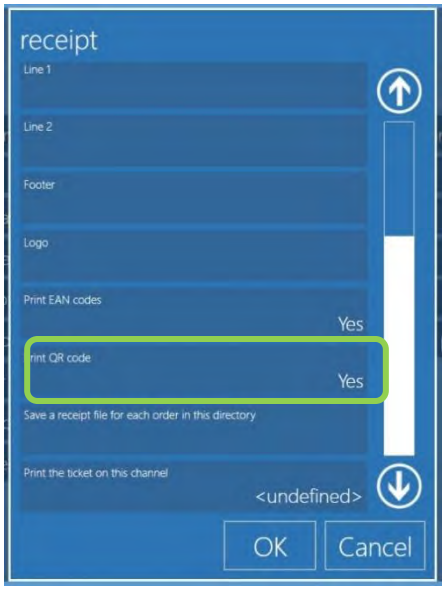
4. Use the following information to update the rest of the settings.
   - **Confirmation Password**: Sets a 4 digit numeric password for operators to release the order. This is available incase the barcode scanner malfunctions.
   - **Printer to use for Unlock Code Receipt**: Select the receipt printer where the barcode will be printed. It is best to have the barcode printer behind a counter or near the cash register. The customer is given the barcode to release the order once it has been paid in full.
   - **Custom Text for Confirmation View**: Enter any special text here that will print on the barcode receipt.

Adding a QR Code to the Receipt

You can have a QR code print on each receipt. This will allow automatic reading of order details.

1. QR code information is written in CSV format (comma separated values). At end of a product information section, there is a double comma (,,) which is read byt the software as “start a new line”.
2. Each product should be entered as:
   PRODUCT, EAN CODE, SIZE, FINISH, QUANTITY, VAT, PRICE,,
3. After all your product lines have been entered, the last two items are the **fix amount** and the **total price** for the order.
4. To enable QR code printing on receipt prints, open the Configuration page and select **Receipt**.

5. Locate the **Print QR Code** line and set the value to **Yes**.

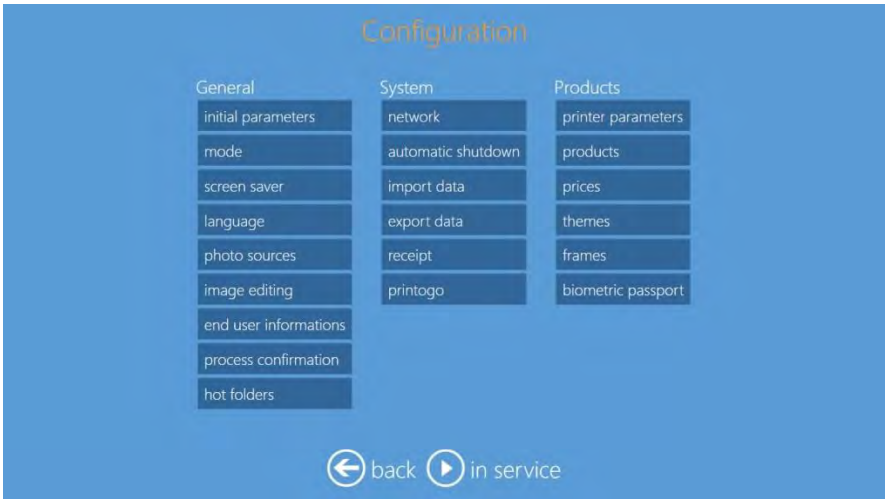


Order Management System

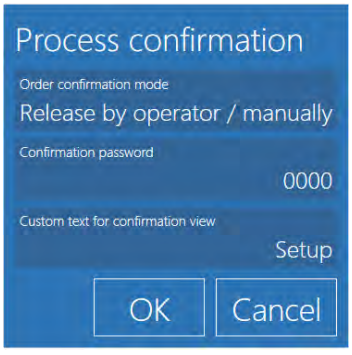
The PES system now offers an order management system to manage several orders simultaneously. By enabling this feature, the software can stack multiple orders and allow the operator to decide when an order should be processed using a print processing screen.

Enabling the Order Management System

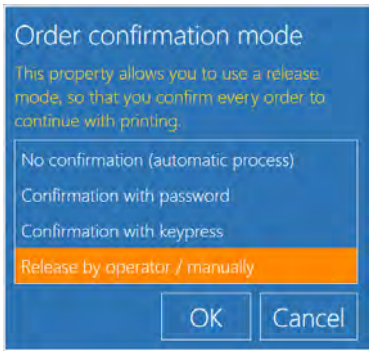
1. Go to the Main Panel and press the **Settings** button.
2. From the Configuration screen, select the **Process Confirmation** option.



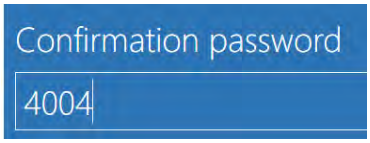
3. Click the Order Confirmation Mode field.



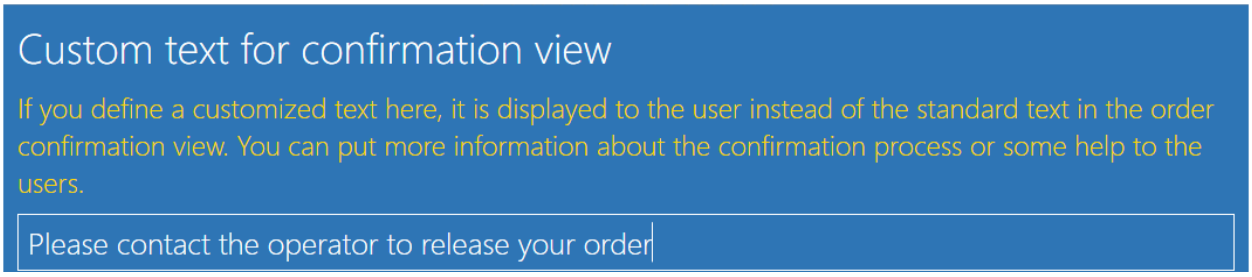
4. Select the Release by Operator / manually option. Press OK.



5. In the Confirmation Password field, enter the new password. The default system password is **0000**. If no new password is entered, the default password will be used. Press **OK** when you are done.



6. In the custom text field, enter any text you want the customer to see when trying to release an order. In this example, “Please contact the operator to release your order” is used. Press the **OK** button to save your custom text.



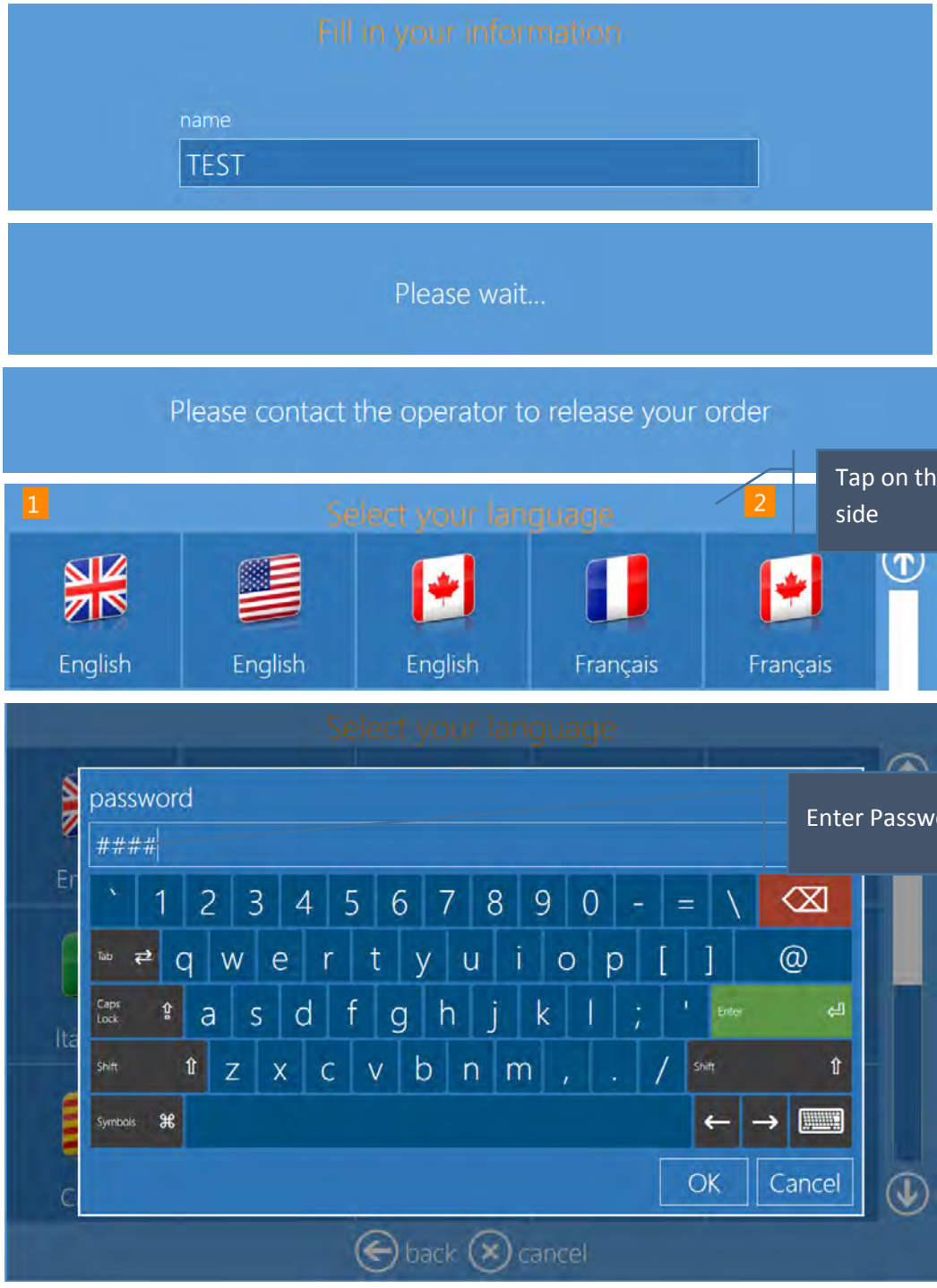
Releasing an Order

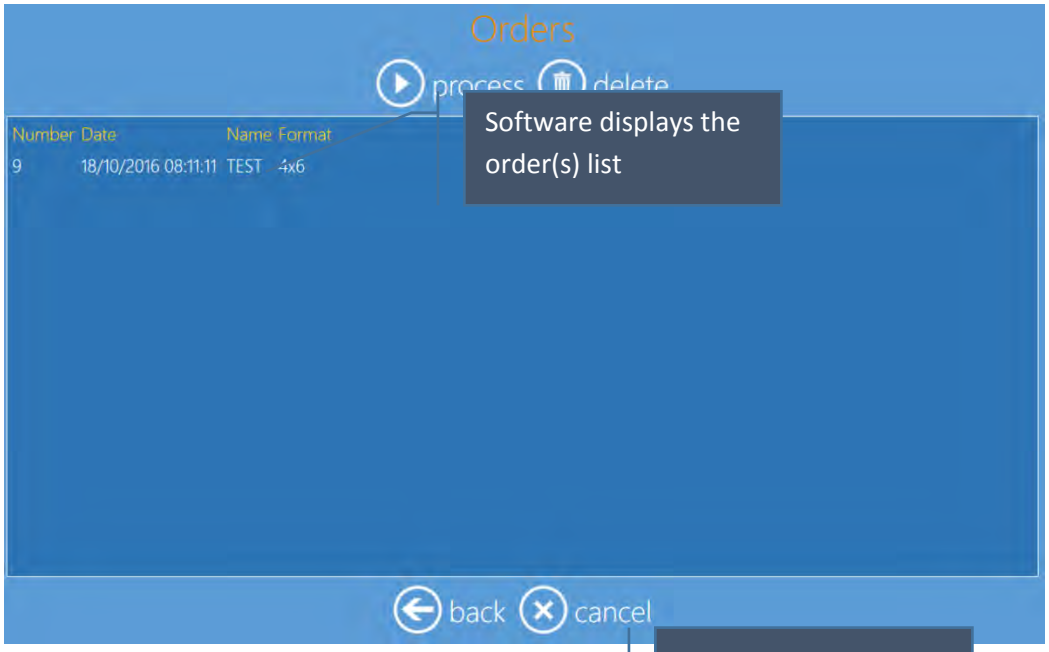
Let’s imagine an order with “Print” products is in the process and the name is given as “Test”

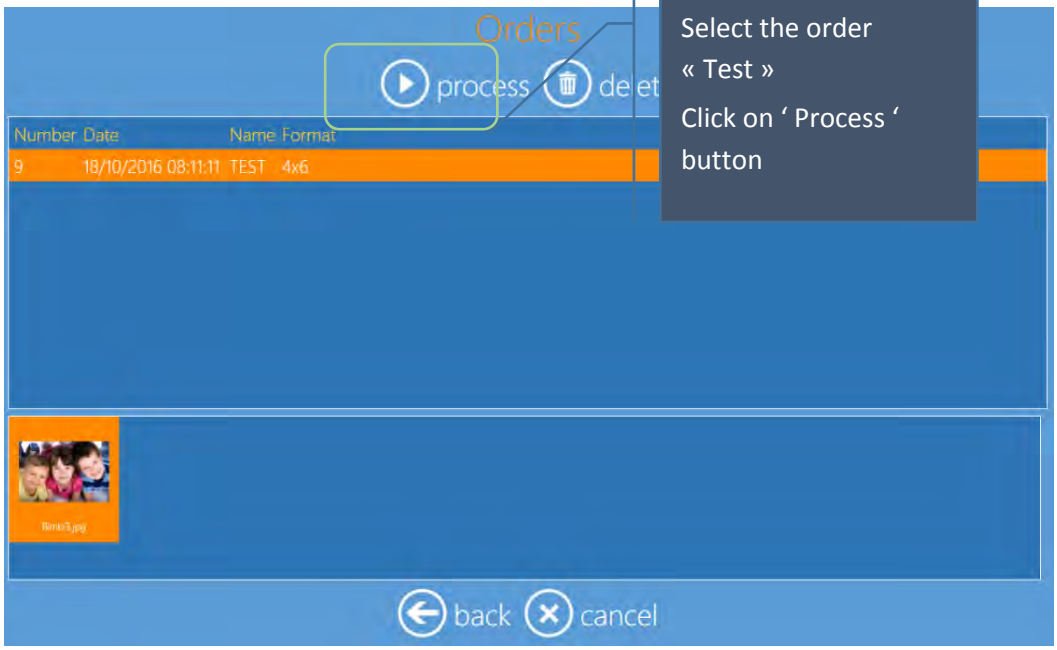
1. Depending on your system configuration, a receipt can be printed for orders that need to be release.
2. To configure your receipt settings, see “” on page 96.
3. Once the screen saver is shown, tap the **left** and then the **right** top corners of the screen in sequence.
4. Enter the admin password and click **OK**.
5. If you enter the wrong password, repeat the above steps with the correct password.
6. When the Order Management screen is shown, find the order you want to release.
7. Click on the order you want to release. You can only release one order at a time.
8. Click **OK** to release the order.
9. The system displays waiting and in progress messages as the order is processed and printed.
10. If you need to stop the order processing, press the **Cancel** button.

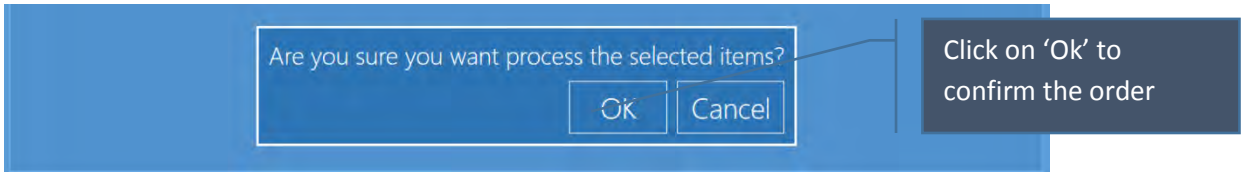
Attention:
If a print job is already in the printer buffer, then the job cannot be cancelled. Only prints that have not been added to the printer buffer can be cancelled. It is normal for up to four prints to print after you press the Cancel button, depending on the order information and printer buffer size.

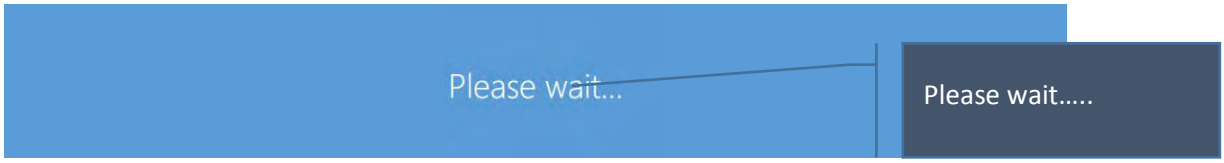
Screen-Shots:

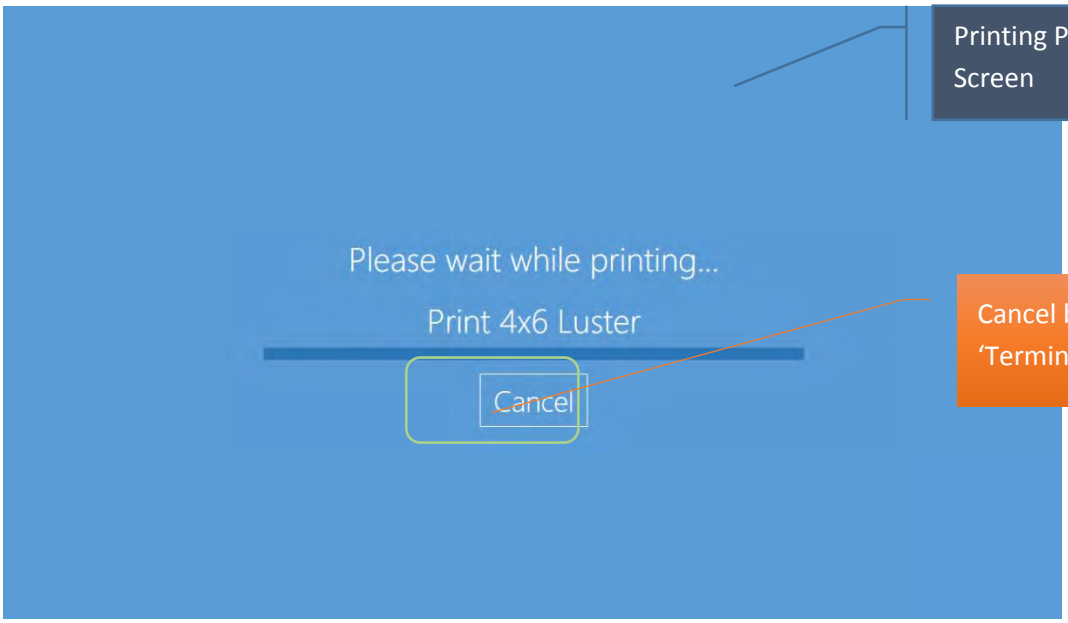

Fill in your information
name
TEST
Please wait...
Please contact the operator to release your order
1
Select your language
2
Tap on the left & right side
English
English
English
Français
Français
Select your language
password
####
Enter Password : 4004
OK
Cancel
back
cancel

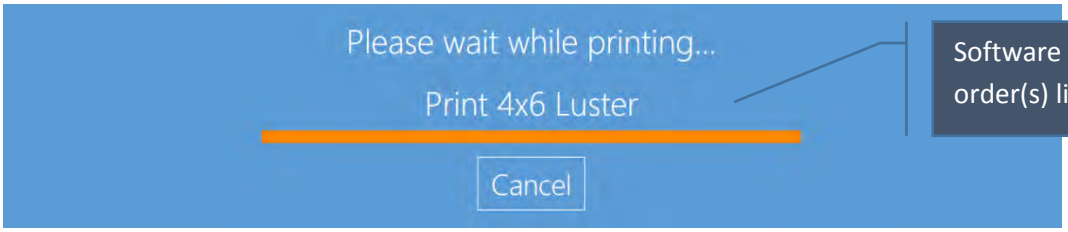

Orders
process
delete
Number Date Name Format
9 18/10/2016 08:11:11 TEST 4x6
back
cancel
Software displays the order(s) list

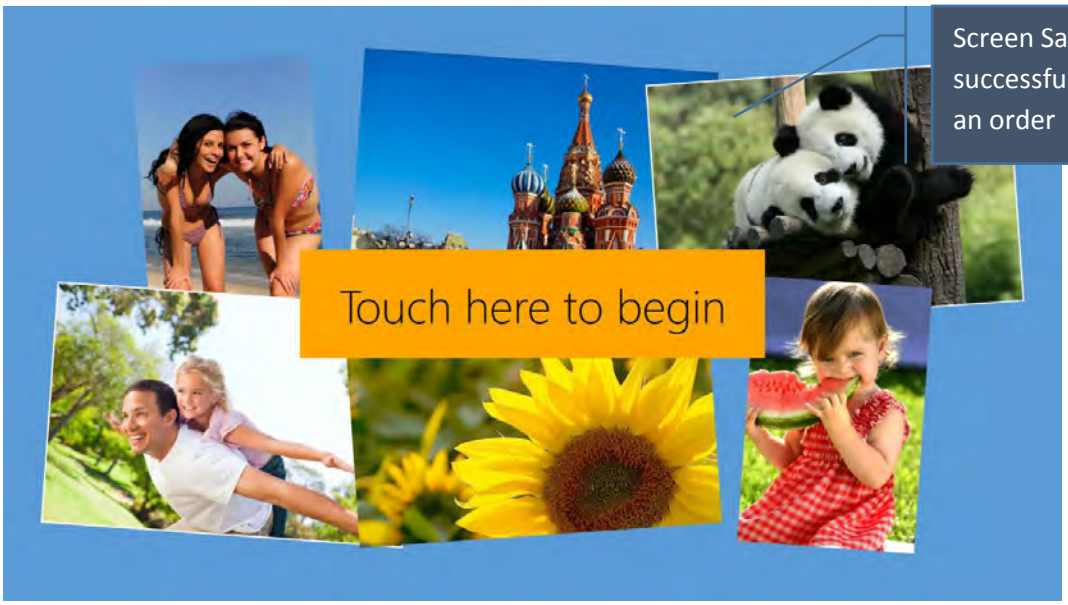

Orders
process
Number Date Name Format
9 18/10/2016 08:11:11 TEST 4x6
back
cancel
Select the order « Test »
Click on ‘ Process ‘ button


Are you sure you want process the selected items?
OK
Cancel
Click on ‘Ok’ to confirm the order

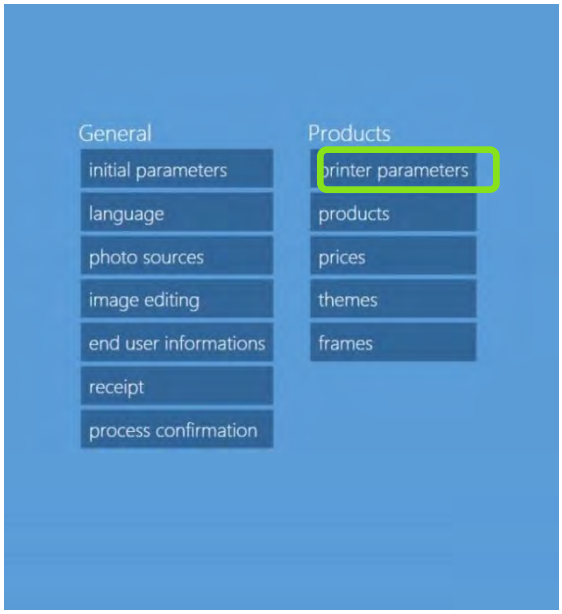

Please wait...
Please wait.....

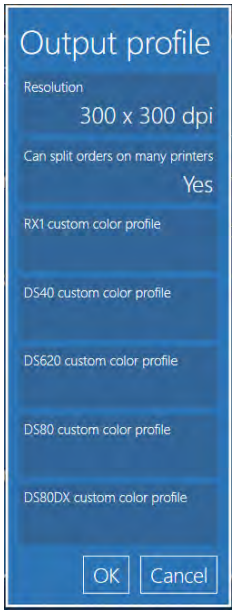

Printing Progress Screen
Please wait while printing...
Print 4x6 Luster
Cancel
Cancel button to 'Terminate' the order


Please wait while printing...
Print 4x6 Luster
Cancel
Software displays the order(s) list


Screen Saver after successful printing of an order
Touch here to begin

Printer Parameters





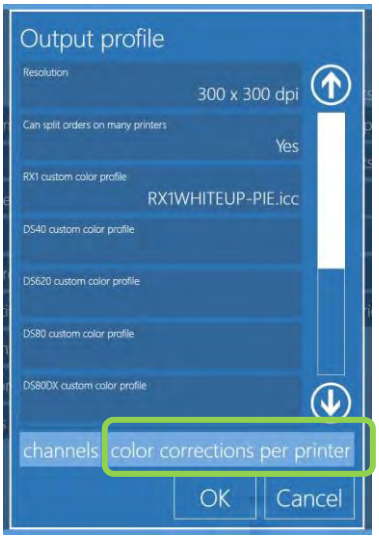
- Resolution: Option to choose 300x300 dpi or High Quality printing 300x600 dpi.
- Can split orders on many printers: if set to “yes” one order will be sent to all printers able to process that order (an order of 20 prints 4x6 with two DS620 connected and 6x8 media loaded will be split 10 images per printer).
- Custom color profile: it specifies a color profile to be used by each printer model. If no profile is set then default profile is used.

Printer Color Adjustments

In addition to color adjustments to images during the order process, you can also set up color profiles for specific printers and paper finishes.

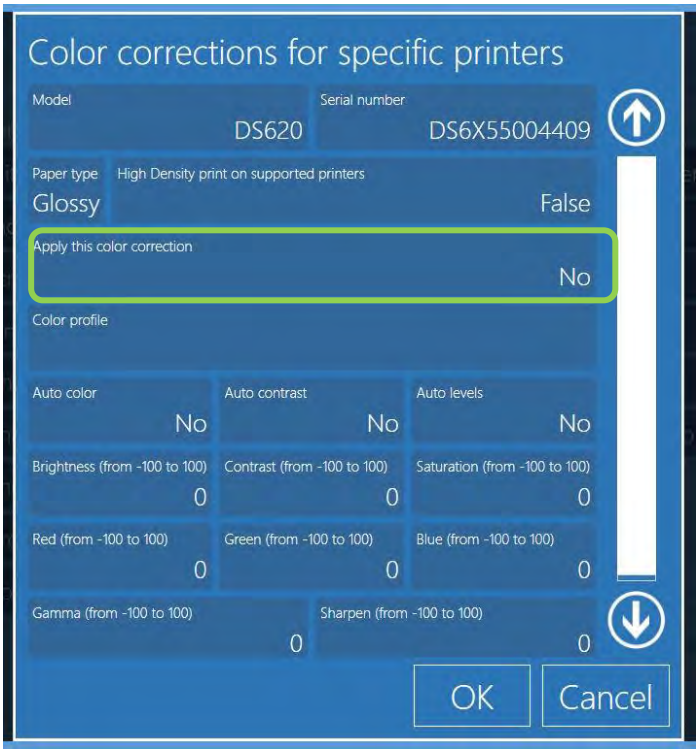
1. To set the color adjustments for each printer and paper finish, open the Configuration page and select the **Printer Parameters** option.

2. When the Output Profile screen opens, select **Color Corrections per Printer**.



3. When the selection list appears, select **your printer type and paper finish type** from the list. Each printer will have multiple entries – one for each paper finish. If you have multiple printers, select the one with the correct serial number.

4. Press the **Edit** button. The Color Corrections for Specific Printers box will appear.



Description of the screen settings:

- **High Density Mode on Supported Printers**: If set to True, high density mode is used when printing (currently available for DS820 printers only).
- **Apply This Color Correction**: If enabled, color correction is applied to anything printed using this printer and this color profile.
- **Color Profile**: Opens a browse window so you can select your preferred color profile for this printer and this finish type.
- **Auto Color**: Automatically correct color and density for prints used with this printer and finish type.
- **Auto Contrast**: Automatically corrects contrast for images printed with this printer and finish type.
- **Auto Levels**: Autmatically corrects color levels in images printed with this printer and finish type.
- **Brightness, Contrast, Saturation, Red, Green, Blue, Gamma, Sharpen Controls**: Adjust each channel as needed to make fine adjustments to the printer channel outputs. Set the value to 0 if no correction needs to be applied.

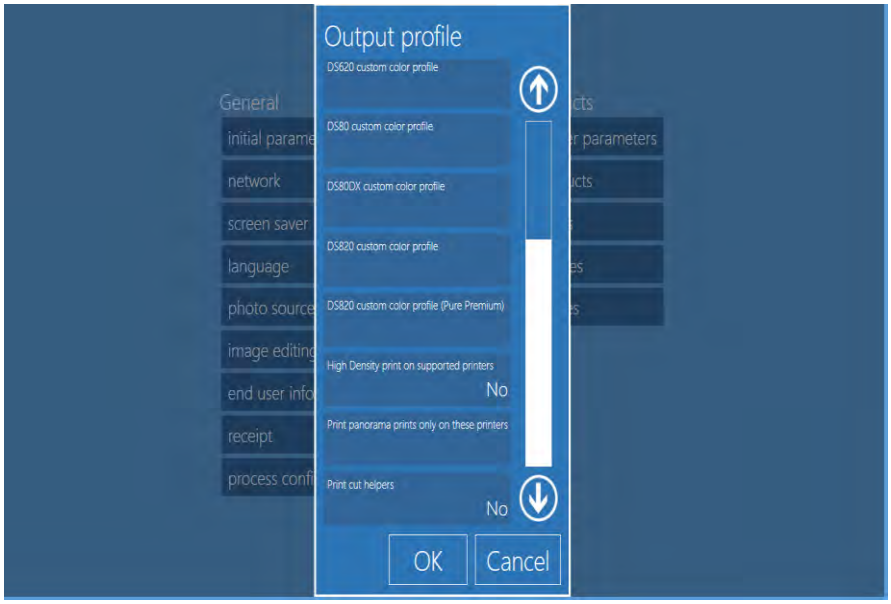
Panoramic Printer:

When two printers of DS 620 or DS 820 are connected with Snap Lab system, the PES provides the possibility to assign a “Panoramic Printer” where panoramic prints printed on the assigned printer.

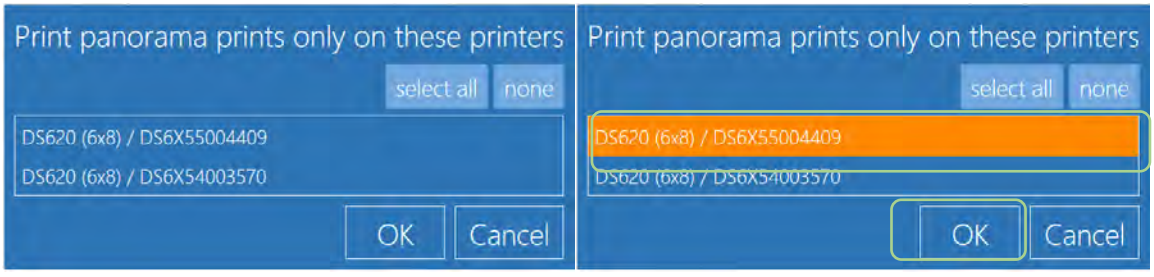
How to assign a “Pano Printer”?

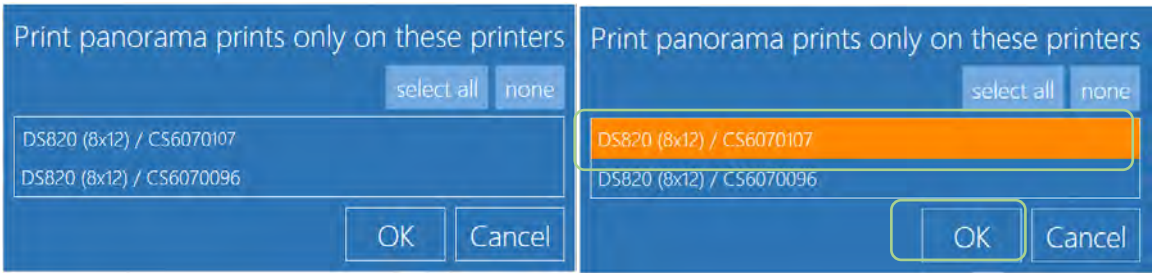
1. Ensure that the system has been connected with two (2) printers, a DS620 and/or a DS820.
2. The printers must be turned ON.
3. From the Admin screen, click the**Settings** button.
4. Under the Products section, select **Printer Parameters**.

5. In the Output Profile dialog box, select **Print Panorama Prints on These Printers**.



6. Select the printer which is going to handle panoramic prints when that product type is selected.





Attention:

Only one panoramic printer can be assigned for a DS620 or DS820.

The software displays the panoramic printer serial-number and its media type for selection purpose.

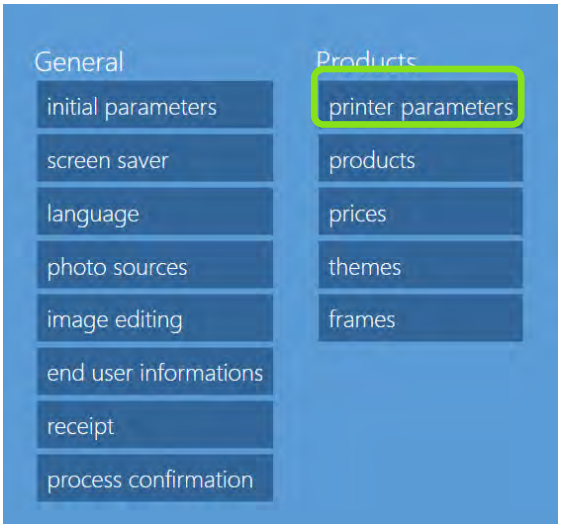
The software will display a warning message when there are an insufficient number of panels for Panoramic print(s).

When there are no panoramic prints in an order, both the DS620 and the DS820 are used to fullfil the submitted order.

Products

Use this section to add or remove products from the system.

7. From the Configuration page, select the **Products** button.
8. Click the **Edit** button.
9. Enter any necessary details or parameters.
10. Press **OK** to save your changes.



Print & Print with Frame

- Enable or disable print sizes as necessary.
- Print sizes are shown based on the printer attached and the media size loaded.
- Print finish types by default have a finish type of manual so the customer can select from a list of available finish types.

Single Sided Greeting Cards

- Only available for DS80DX printers with duplex (double-sided) media loaded.
- You can enable this option for each print size in the category.
- The print sizes are available based on which printer is connected to the system.
- Print finish types by default have a finish type of manual so the customer can select from a list of available finish types.
- The default quantity for 4x8 prints is 3. The default quantity for 6x8 prints is 2. This is set as such to utilize 100% of the 8x12 ribbon panel.
- The incremental & default quantity variable is always equal.
- **Top, Bottom, Left and Right Margins**: Enter the minimum distance in millimeters from the print border to image edge. This setting can be useful to portions of the image being trimmed off when the paper is cut.
- **Framing Adaptation**: **Fit to Layout** images are cropped to fit to preset layout. **Fit to Image** images maintain the original aspect ratio and are not cropped.

Double Sided Greeting Cards

- Only available for DS80DX printers with duplex (double-sided) media loaded.
- You can enable this option for each print size in the category.
- The print sizes are available based on which printer is connected to the system.
- Print finish types by default have a finish type of manual so the customer can select from a list of available finish types.
- The default quantity for 4x8 prints is 3. The default quantity for 6x8 prints is 2. This is set as such to utilize 100% of the 8x12 ribbon panel.
- The incremental & default quantity variable is always equal.

- **Top, Bottom, Left and Right Margins**: Enter the minimum distance in millimeters from the print border to image edge. This setting can be useful to portions of the image being trimmed off when the paper is cut.
- **Framing Adaptation**: **Fit to Layout** images are cropped to fit to preset layout. **Fit to Image** images maintain the original aspect ratio and are not cropped.

Calendar

- Only available for DS80DX printers with duplex (double-sided) media loaded.
- You can enable this option for each print size in the category.
- The print sizes are available based on which printer is connected to the system.
- Print finish types by default have a finish type of manual so the customer can select from a list of available finish types.
- The default quantity for 4x8 prints is 3. The default quantity for 6x8 prints is 2. This is set as such to utilize 100% of the 8x12 ribbon panel.
- The incremental & default quantity variable is always equal.
- **Top, Bottom, Left and Right Margins**: Enter the minimum distance in millimeters from the print border to image edge. This setting can be useful to portions of the image being trimmed off when the paper is cut.
- **Framing Adaptation**: **Fit to Layout** images are cropped to fit to preset layout. **Fit to Image** images maintain the original aspect ratio and are not cropped.

Photobook

- You can enable this option for each print size in the category.
- Assign the minimum and maximum number of pages, or sheets, per product.
- If the minimum and maximum page counts are equal, then the front side is used for the cover page, and the other pages are filled with images.
- If the number of pages is based on a page range, then number of pages in each order is based on the number of images loaded.
- Select by User: User is prompted to select the number of pages.
- Print finish types by default have a finish type of manual so the customer can select from a list of available finish types.
- A maximum of nine (9) images can be loaded on each page of the layout spread.
- The user can change the framing t
- **Top, Bottom, Left and Right Margins**: Enter the minimum distance in millimeters from the print border to image edge. This setting can be useful to portions of the image being trimmed off when the paper is cut.
- **Framing Adaptation**: **Fit to Layout** images are cropped to fit to preset layout. **Fit to Image** images maintain the original aspect ratio and are not cropped.

Passport

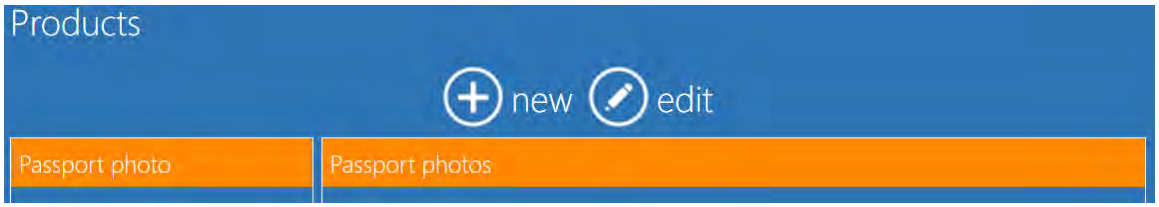
- The operator can configure the passport settings by selecting passport photos and clicking on the **Edit** button.
- By default the software is configured with the individual image size of 45x35mm and 6 copies in a 4x6 print format. There is 2mm of spacing between each image.
- The operator can change all of the values for the print sizing by pressing the **Passport Parameters** button.

- Any product visibility can be changed to ON/OFF
- Once a new product is added, it can't be deleted but it can be turned off from the visible section
- All Countries: How to add more products under 'All Countries'
- Refer the above page & follow the same instructions
- New Passport Product creation displays the metric sizes as per the initial system metrics i.e. Settings/Initial Parameters/System of Units/centimeters or Inches:

Note:
All values must be entered in mm measurments.

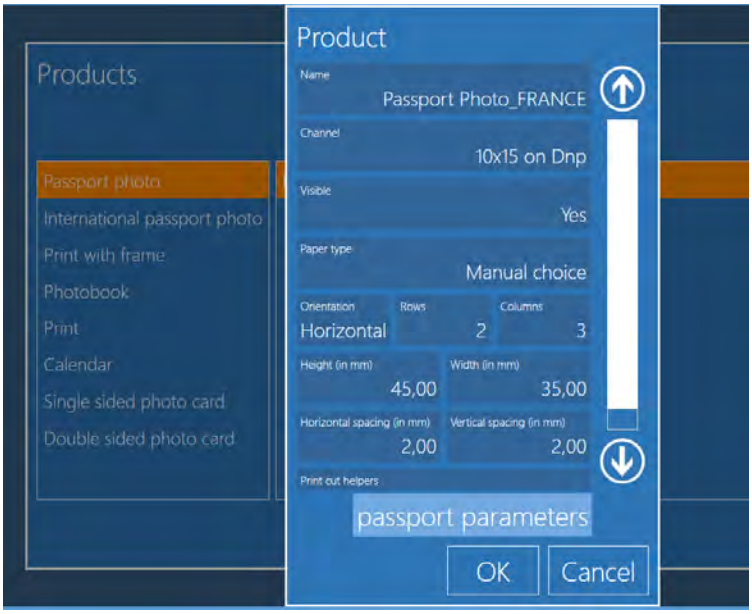
Adding a Passport Photo Product

11. Click **New** to add a new product.

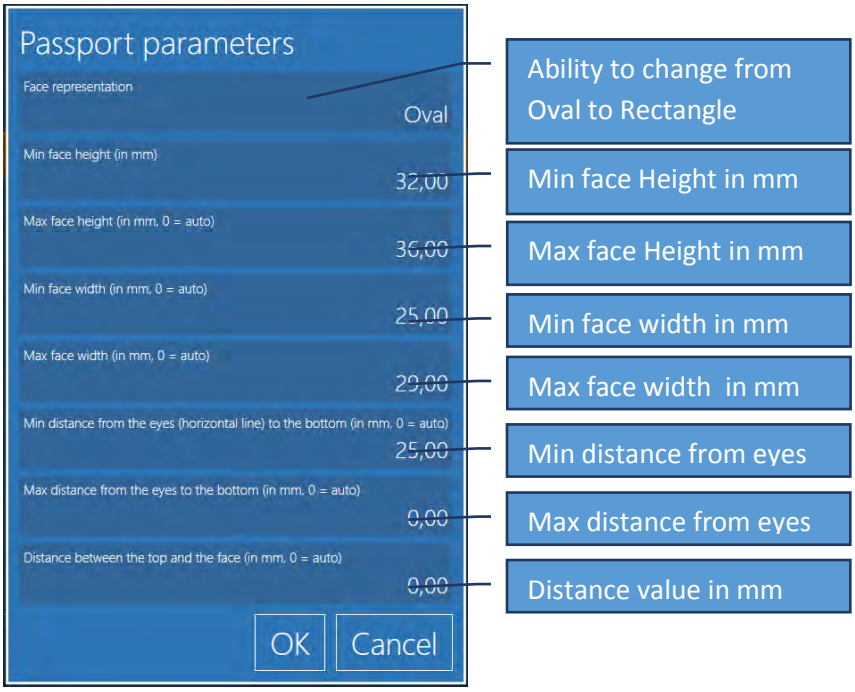


12. Select Passport Photo or International Passport Photo from the product list.

13. Enter a **product name**. For example: Passport Photo_France
14. Enter each value carefully.



15. To enter the configuration for each image on the passport photo, press the Passport Parameters button. Be sure to correctly enter each value.



16. Click **OK** to save your changes.

17. The new passport product has been added. In the example below, two new passport products are added:
    - ID Photo_FRANCE
    - Passport Photo_FRANCE

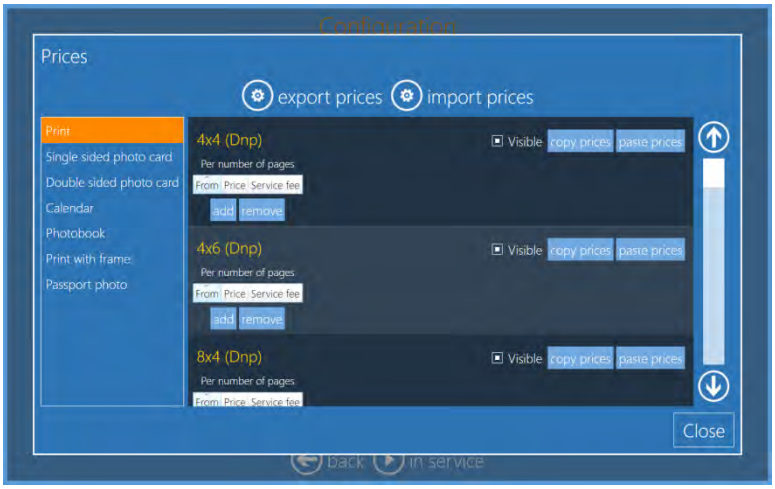
Passport Pricing:

When a new passport product line item is added to the product, a pricing value can be added as well.

- By default, 'All Countries' can have only one pricing value.
- Any new product line can have its own priciong value.

Prices

18. To setup prices an external keyboard is needed (not included with most configurations)



- **Visible**: White check (ON) means the product is visible to the customer.
- **Add – Remove**: Add or remove a price value. To enable product pricing it is necessary to add at least one price.
- **From**: Minimum numbers of copies for current price break.
- **Price**: Price for one unit of product (example: price for one print).
- **Service Fee**: Fixed price for order. In cases of an order with multiple service fees only the maximum service fee will be added to the total.

- **Copy Prices/Paste Prices**: Function to copy and paste the prices from one product to another.

Note:
For Photobooks and Calendars it is possible to set additional prices based on number of images.
For Photobooks it is possible to set also a third additional price based on number of pages.

Frames

The software is delivered with a number of frames, or borders, already installed. Use this option to add more frames. This feature allows enhanced pictures with graphic elements like borders, logos, and banners. The imported frame file must be:

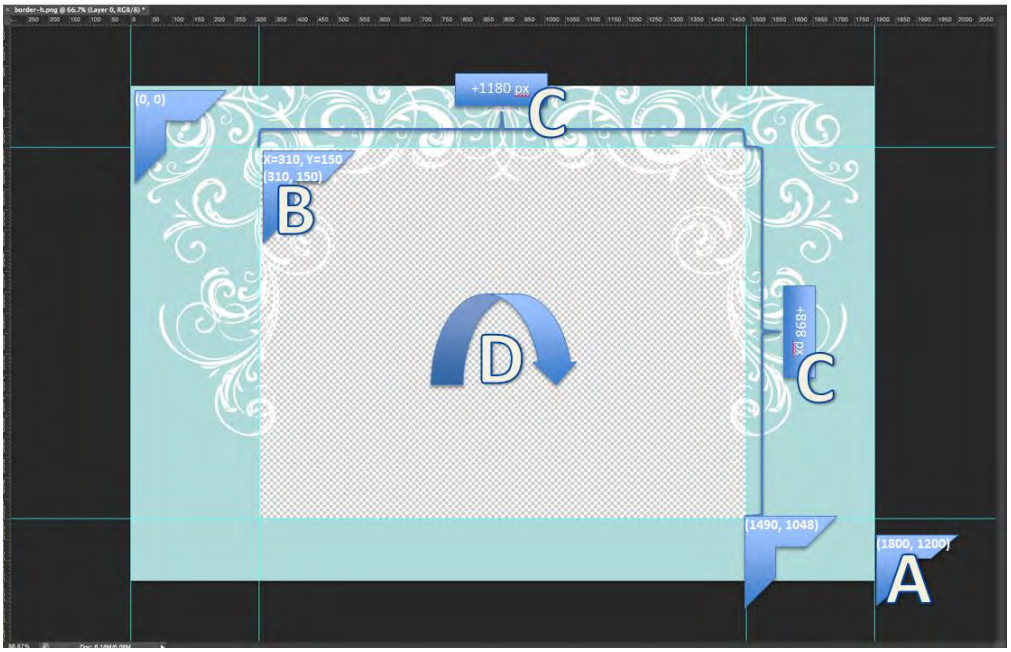
- A PNG file with a transparent area for the image.
- The same aspect ratio as the print format.
- Minimum resolution of 6x4 frame: 1200x1800 pixels.
- Transparent area of the file may have shade – this will be printed on top of the image that is added.
- The PNG files are stored on the system for use with the software.

Creating New Frames

- Defining the border: image format type .PNG
  - Define the overall border image size
    - <width>###</width>
    - <height>###</height>
    - Example of 6x4 @ 300 dpi:
      - <width>1800</width><height>1200</height>
  - Define top-left corner of alpha channel
    - <alpha x="###" y="###" width="xxx" height="xxx" rotation="xx" />
    - This is where the image in the border starts, its top-left pixel location
  - Define the width & height of the alpha channel
    - <alpha x="xxx" y="xxx" width="###" height="###" rotation="xx" />
    - This is how wide and tall you want your image in the border to be
  - Define rotation of the alpha channel
    - <alpha x="xxx" y="xxx" width="xxx" height="xxx" rotation="###" /
    - Rotation measured in degrees
    - A value of 15 will rotate the image within the border 15 degrees
- Aspect ratio per print size:

ASPECT RATIO	1:1	6:5	5:4			7:5		4:3	3:2	2:1
Multiply Short Side by:	1	1.2	1.25	1.27	1.3	1.4	1.43	1.33	1.5	2
Image size in inches:	5x5 6x6 8x8		8x10			5x7	3.5x5	6x8	4x6 6x9 8x12	
Image size in centimeters	13x13 15x15 20x20		20x25			13x18	9x13	15x20	10x15 15x23 20x30	

- Example layout design for 4x6" / 10x15cm size:



Attention:
The photo editing software doesn't allow editing existing templates. The frame/border must be created with third party software, like Adobe Photoshop. import the designed borders/frames as an individual files or from a folder.

Note:
To import the designed/created frame/borders, Go to *Settings/General/products/Frame/*

Template Design Parameters:

- Defining the Template: image format type .JPG
  - (A) Define the overall template image size with the desired design
    - <width>###</width>
    - <height>###</height>
    - Example of 8x12 @ 300 dpi:
      - <width>2400</width><height>3600</height>
  - (B) Save the template in .jpg format
- Applying the template in the photo editing software:
  - (C) To import the designed/created frame/borders, Go To:
    - Settings/General/products/Template/
      - For more details, please refer the previous user manual v1.8
- Example of template layout design for 8x12" / 20x30cm size:

Example of Importing a Frame

From the Configuration screen, click the **Frames** option.

19. Click on Import Files.

20. The file browser opens. Browse to and select the file(s) to be used as frames.
21. Click **Open** to import the file(s)
22. Click **Close** to close frames import window
23. Close the program and restart the software.
24. The new frames are now available on all frame products.

Themes

Themes (for creative products) allow you to import backgrounds that are used to create personalized products. A theme is a group of backgrounds. Backgrounds can be imported from a file or generated choosing color from a palette.

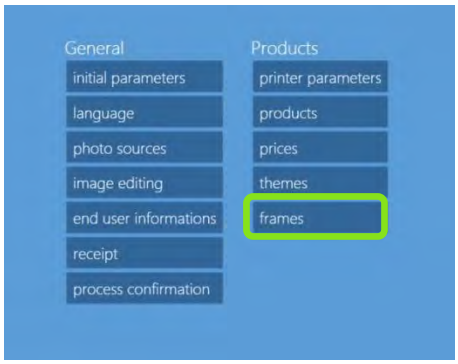
The file with a background must be:

- jpg image
- Square size ratio is recommended to easily crop to the correct print aspect ratio.

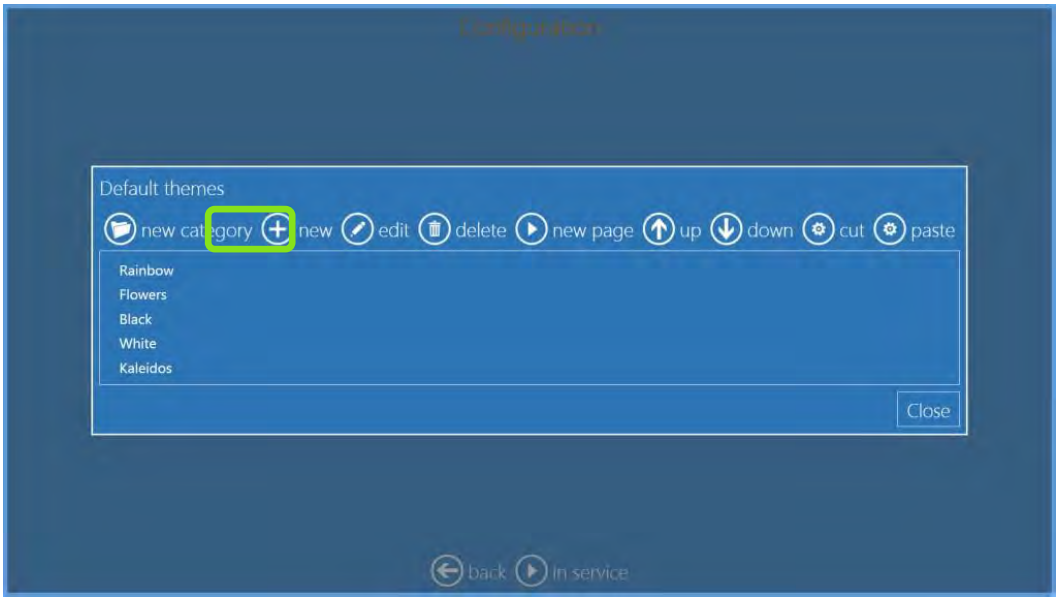
For each theme it is possible to set a default font for text and a default size for the border to be placed around inserted images (if the default border size is zero, no border is added to images). For each backgro und it is possible to select default color for text and default color for image border.

Adding New Themes from Images

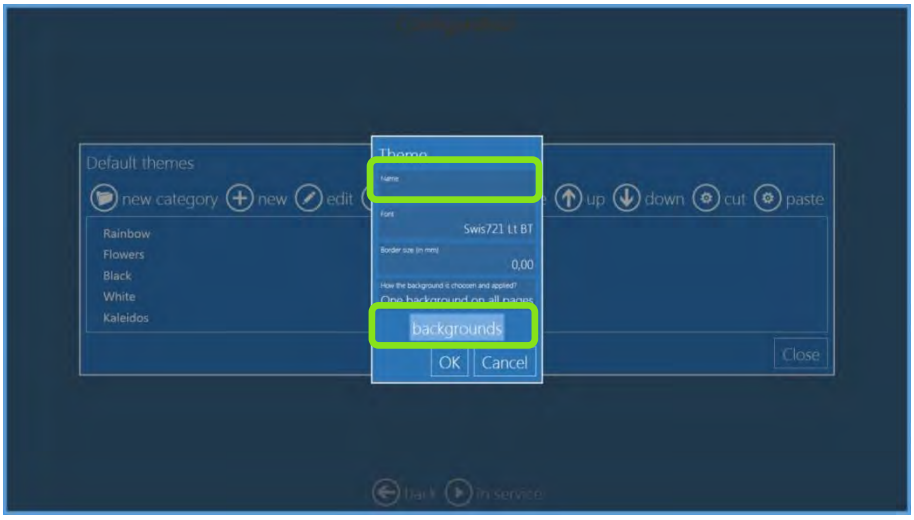
1. From the Configuration page, click the **Themes** option.



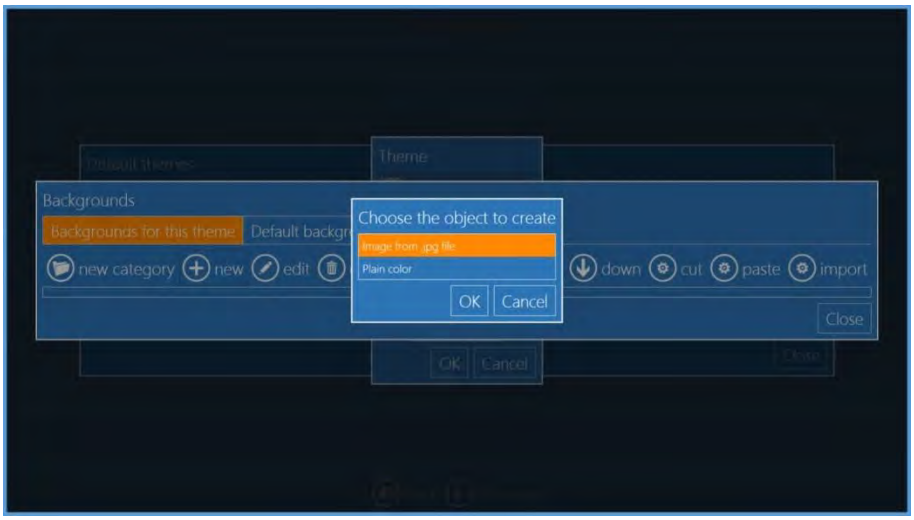
2. Click New.



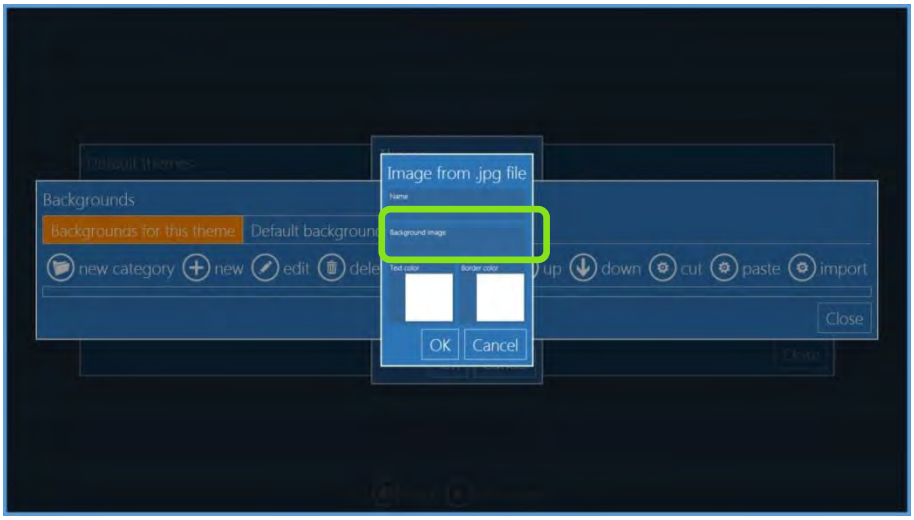
3. Enter a name for the theme.
4. Click the **Backgrounds** button.



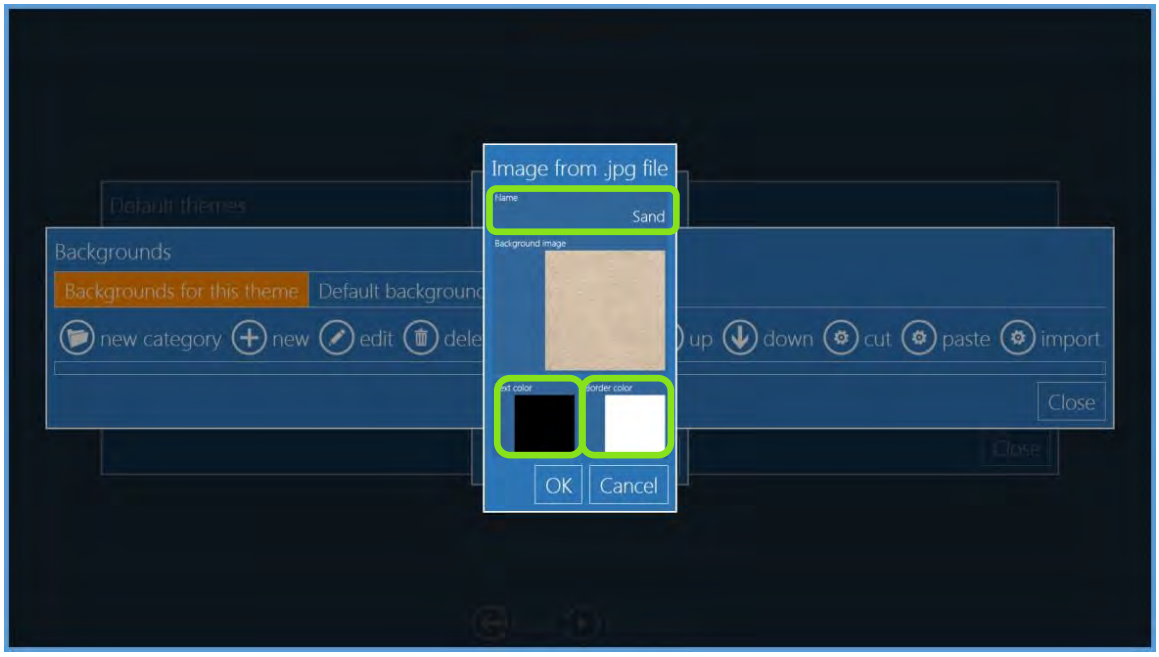
5. Click Image from .jpg file.



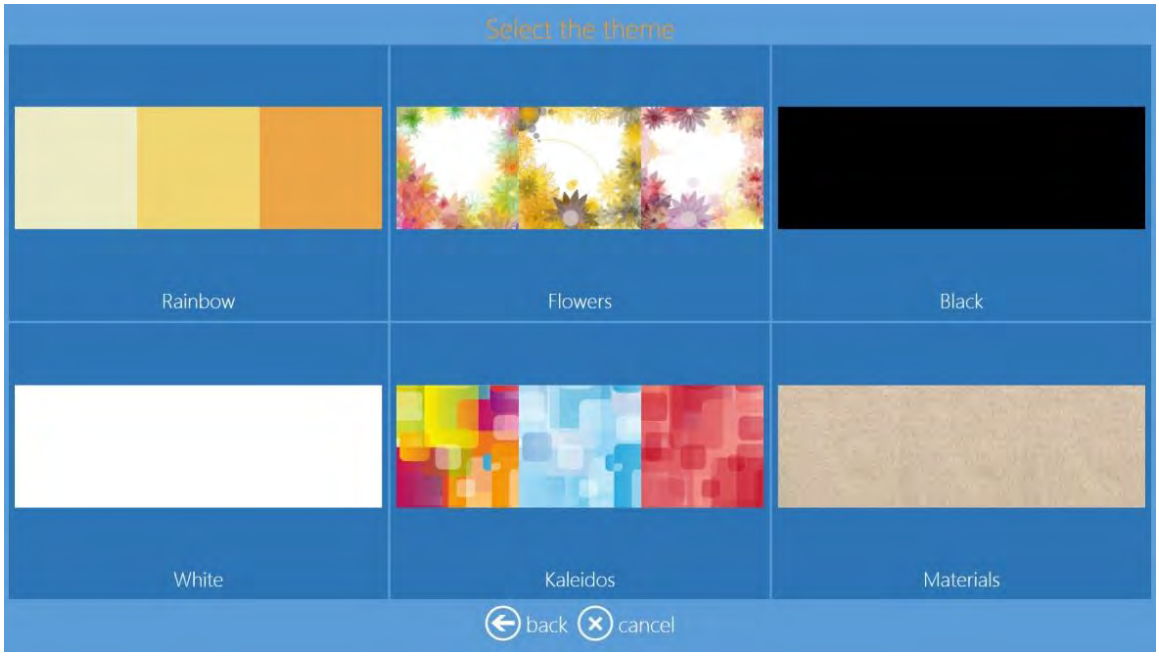
6. Enter the **Image Name**.
7. Click on **Background Image** and import your images.



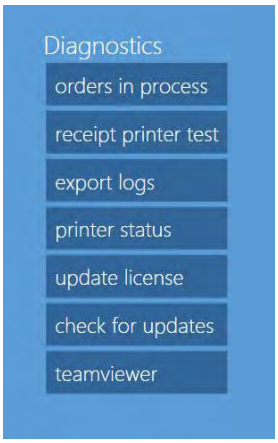
8. Select the **text color** and the **border color**.



9. Click **OK** to save your changes.
10. Close any other open windows and restart the software.The new theme is added to available themes.



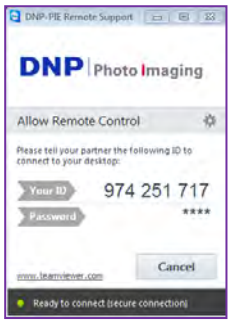
11. Diagnostics



Team Viewer

When the system requires remote support, connect with an internet connection and provide the Team Viewer ID to the support person as needed.

1. From the Main Panel, select the **Diagnostics** button.
2. Select the **Teamviewer** option.
3. When prompted, enter the password: `dnppiesupport` (in small letters with no space)
4. Wait for the DNP-PIE Remote Support window to appear.



Printer Status

1. From the Main Panel, select the **Diagnostics** button.
2. Select the **Printer Status** option.

3. Use the information on this screen to identify your printers and the current status of each printer.

Orders in Process

To list the orders which are in process and therefore are not yet printable. All orders with any error condition are listed here.

1. From the Main Panel, select the **Diagnostics** button.
2. Select the **Orders in Process** option.
3. Following options are available:
4. **Show Error**: Displays details about any error conditions for the selected order.
5. **Delete All Orders in Error**: All orders with an error condition will be permanently deleted.

Receipt Printer Test

1. From the Main Panel, select the **Diagnostics** button
2. Select the Receipt Printer Test option.
3. A test print is sent to your receipt printer.

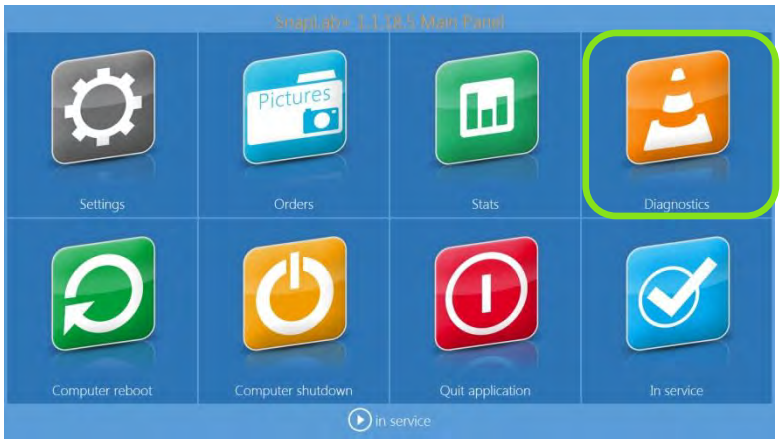
Export Logs

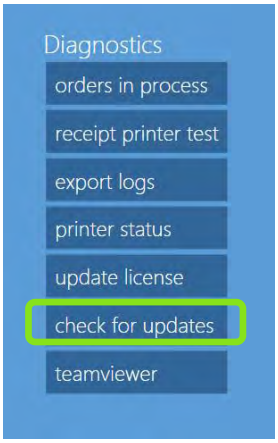
To create a compressed folder containing log files, useful to report eventual problems with the system.

1. From the Main Panel, select the **Diagnostics** button.
2. Select the **Export Logs** button.
3. Logs are exported to the specified loction.

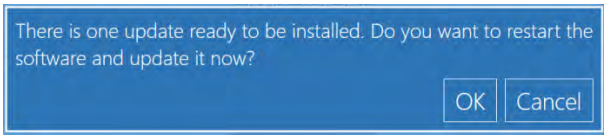
Software Update

By clicking on the button **Check for Updates** the system will search for an update. If there is an update, the software will prompt a message to quit and launch the update process.

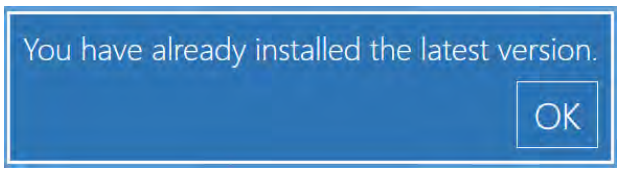




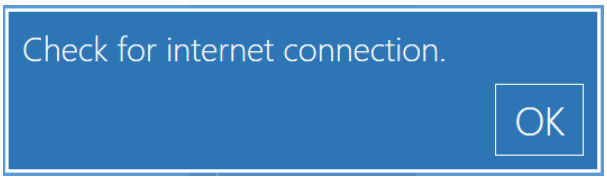
1. When there is an update, the following message is shown.



2. Click **OK** to continue and click **Restart Application** to restart the software and begin the update process.
3. If the software update has already been installed, the following message is displayed. Press **OK** to continue.



4. If there is no internet connection, the following message appears. Press **OK** to continue.

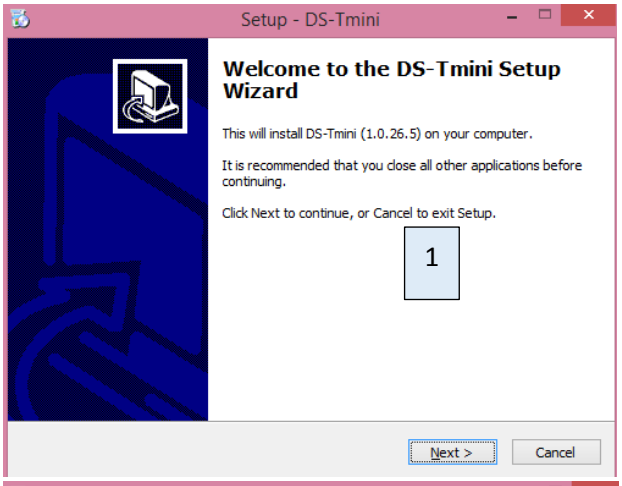


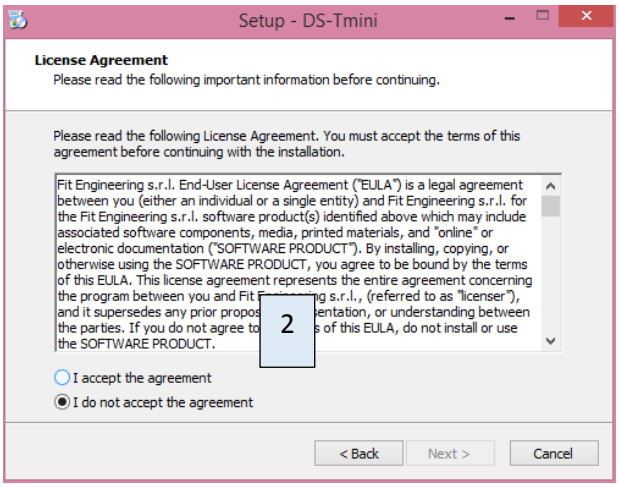
Updating the Software without an Internect Connection

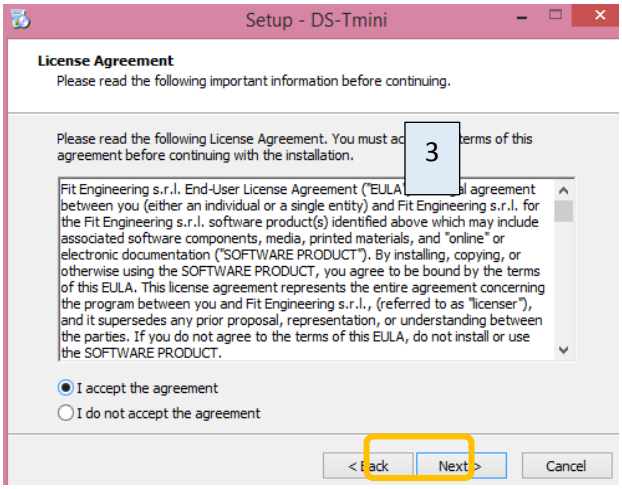
It is possible to use another way to update the software; by downloading the installer from: http://www.dnpphoto.com/downloads/ and selecting the product name.

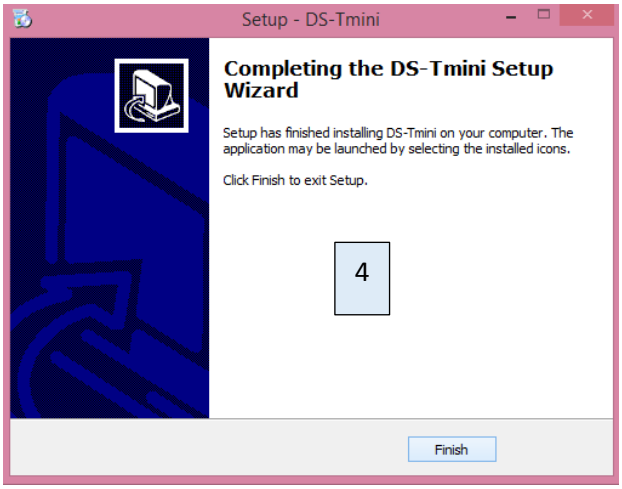
Attention:
The instruction below is only for the Snap Lab system.

5. Exit all applications.
6. After downloading the software, copy and extract the zip file on the desktop of the system.
7. Open the folder and access the installer file. Double-click on the installer and follow the installation instructions.









8. Click **Finish** (see image number above 4) and restart the system.

Attention:
Do not interrupt the installation process during the installation!

12. Statistics

1. Access the statistics screen from the Main Panel.
2. Press the **Stats** button.
3. Use this section to view production stats for the kiosk.
4. It is possible to filter the information visible on the screen.
5. It is possible to export the data in an Excel file for further analysis.

13. Change Mode: Photo Editing Software vs Party Print

By default the system is configured to Photo Editing Software, so to change the system configuration to Party Print the configuration mode must be changed.

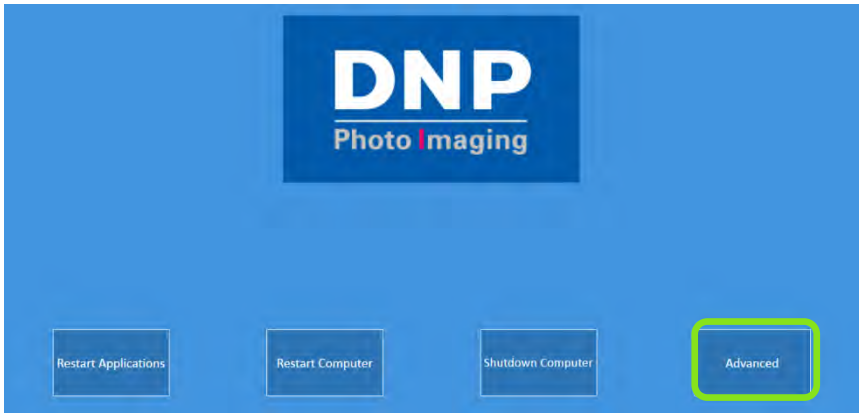
If you have a PartyPrint with the Snap Lab, please connect the PartyPrint license dongle to the Snap Lab and change the Wi-Fi Router and turn it on.

Change to Party Print Mode

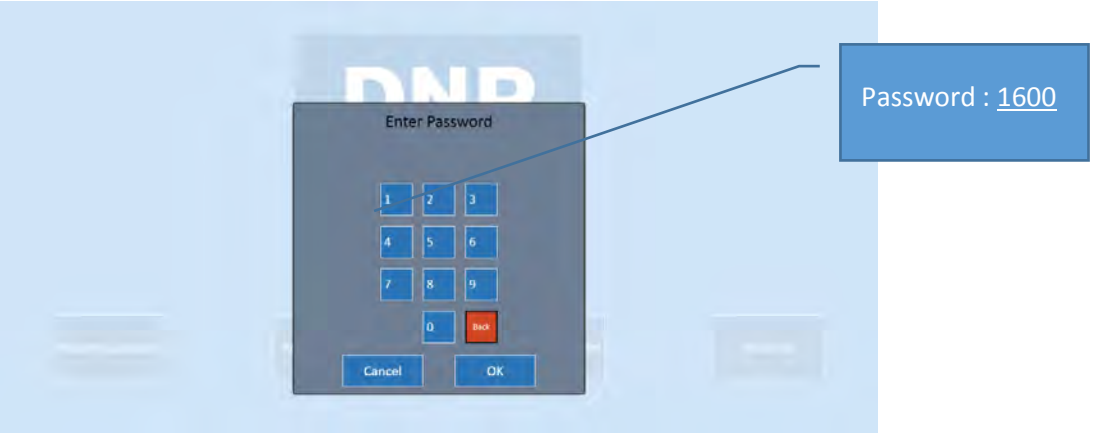
1. Exit the software.
2. Enter into Main Panel by touching in sequence to the lower left and right corners of the monitor.

3. Click the Quit Application button.

4. Please wait for a few seconds.
5. The system will show up another application called LaunchPad.
6. To change the mode, click the **Advanced** button.



7. Type the password **1600**.

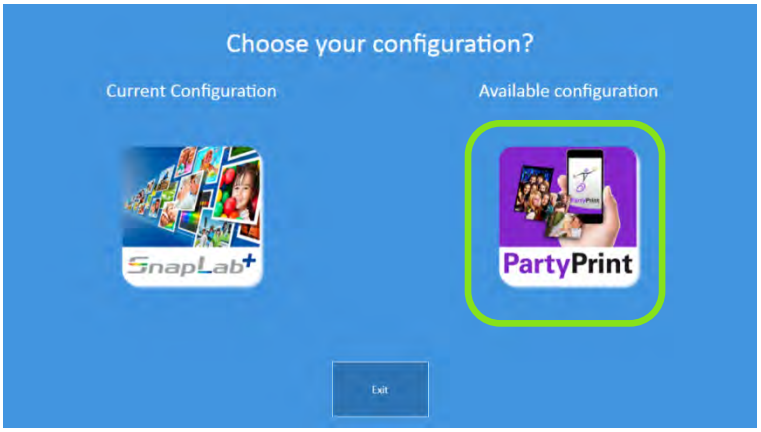


8. Click the **Mode** button quickly.
9. The advance control will disapper in 3-5 seconds.

10. By clicking on the Mode button the software will display 2 options:
    - **Current Configuration**: Photo Editing Software (Snap Lab);
    - **Available Configuration**: Party Print.

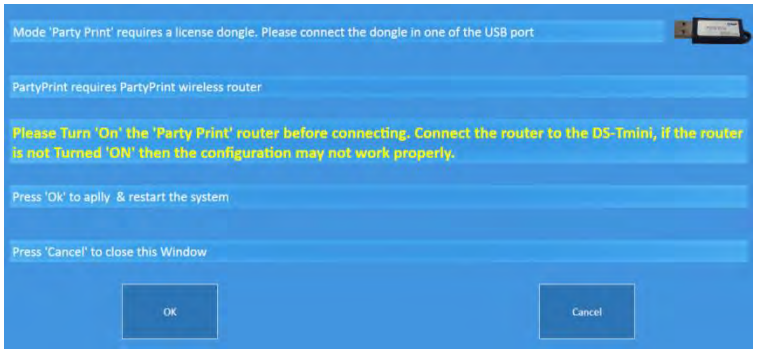
Note:
The current configuration won't be accessible; as it's the actual confuguration. This will be respected in any mode (Photo Editing Software vs Party Print).

11. Click on **Available Configuration** then Party Print and follow the instructions.

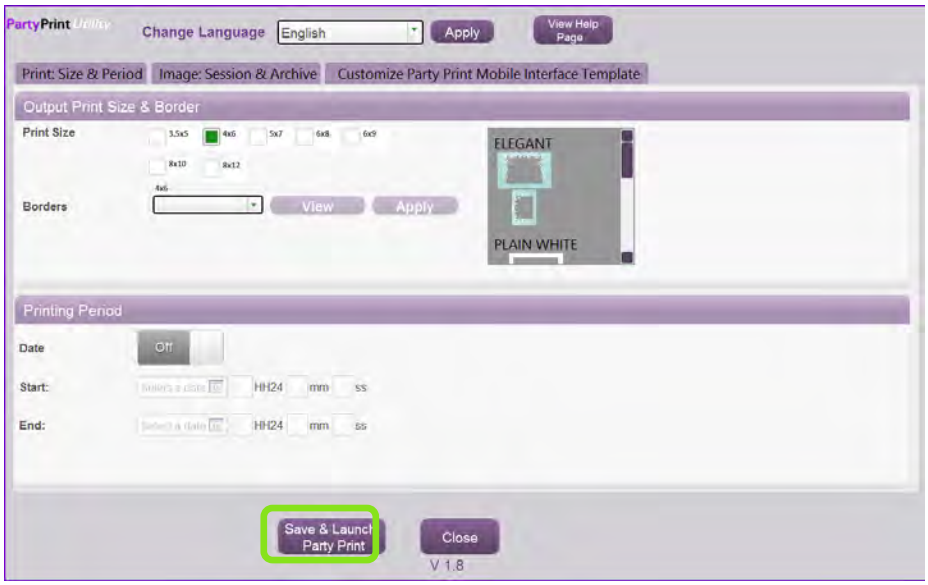


12. Please follow the instruction carefully before clicking on the **OK** button.

13. Connect the PartyPrint dongle and change the Wi-Fi Router.



14. Click on **OK** and the system will restart in a few seconds automatically.
15. The system will launch the application Party Print Utility.
16. Please refer Party Print Utility user manual for more details.



17. PartyPrint Utility provides same functions as PartyPrint.

Note:
PartyPrint Utility requires license dongle to work with the software. If not the system will display an error message.

18. After verifying the required configuration for PartyPrint, please click on **Save & Launch Party Print** button to start the PartyPrint software.
19. The below screen is the main page of the Party Print software.

Note:
For more details on PartyPrint, please refer the user manual of PartyPrint.

Launching the Same Mode Again

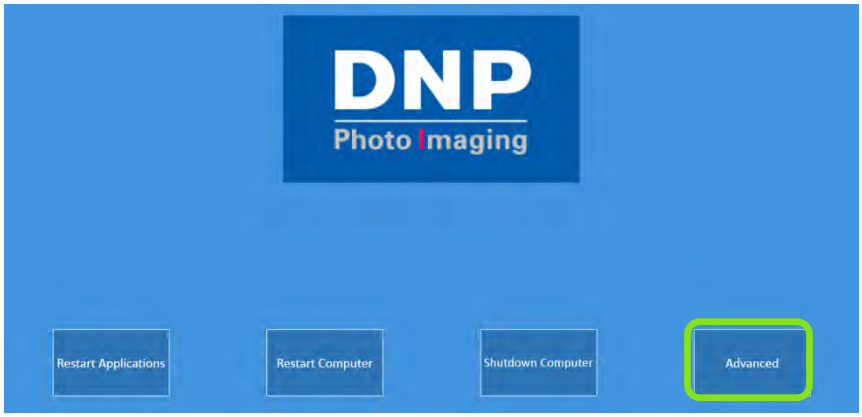
Simply click on the **'Restart Application'** button to re-launch the existing configuration software.

Note:
If the system current configuration is PartyPrint, then the system will launch PartyPrint Utility. Simply click on Save & Launch Party Print button (the steps above).

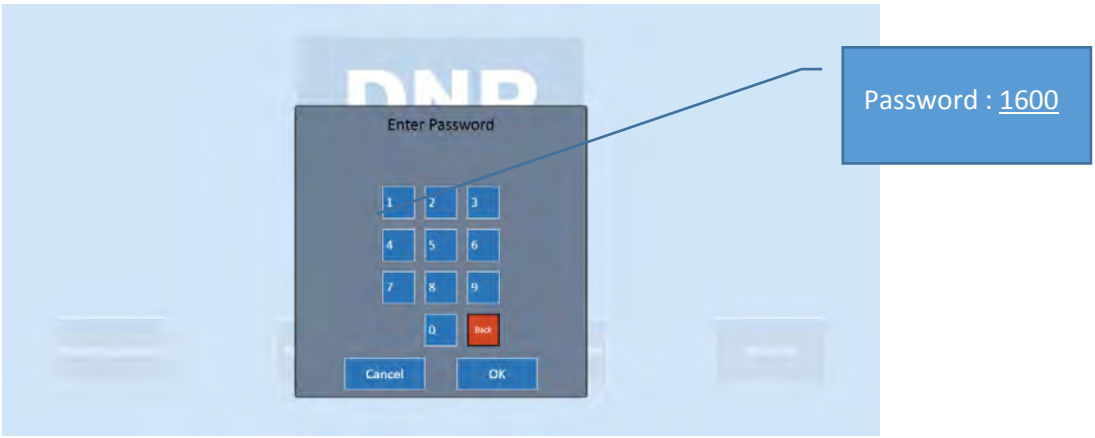
Change to Photo Editing Software Mode

20. Exit from PartyPrint
21. To access the Administrative Options, touch and hold the PartyPrint Icon in the top left corner.

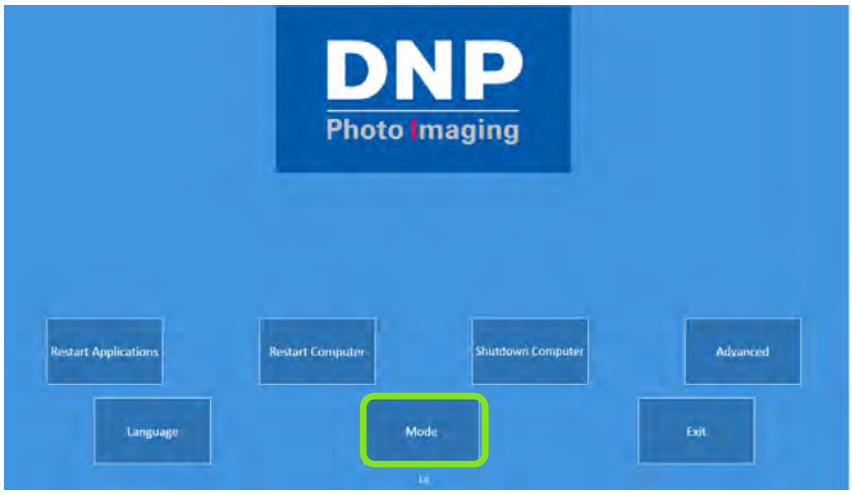
22. When the keypad appears, enter the password (default is **4103**) and press OK. From here you can access the following:
    - **Exit Application**: Exit the application, and return to the desktop.
    - **Cancel**: Exit the Administrative Options menu, and return to the main screen.
23. Please wait for a few seconds.
24. The system will show up another application called LaunchPad.
25. To change the mode, click the Advanced button.



26. Type the password 1600.



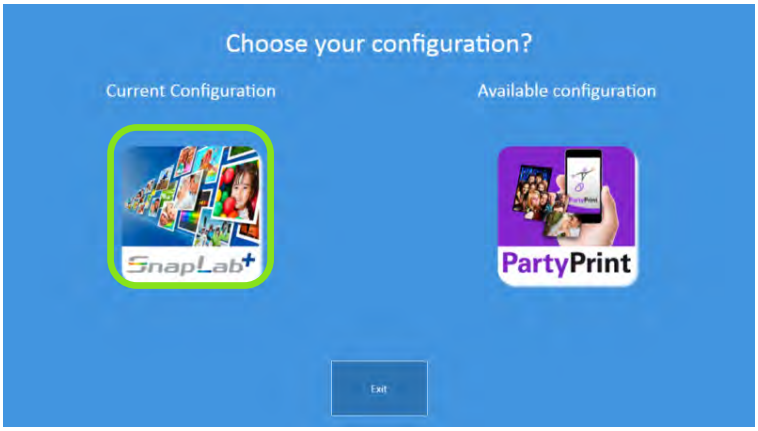
27. Click the Mode button quickly.
28. The advance control will disapper in 3-5 seconds.



29. By clicking on the Mode button the software will display 2 options:
    - Current Configuration: Photo Editing Software (Snap Lab);
    - Available Configuration: Party Print.

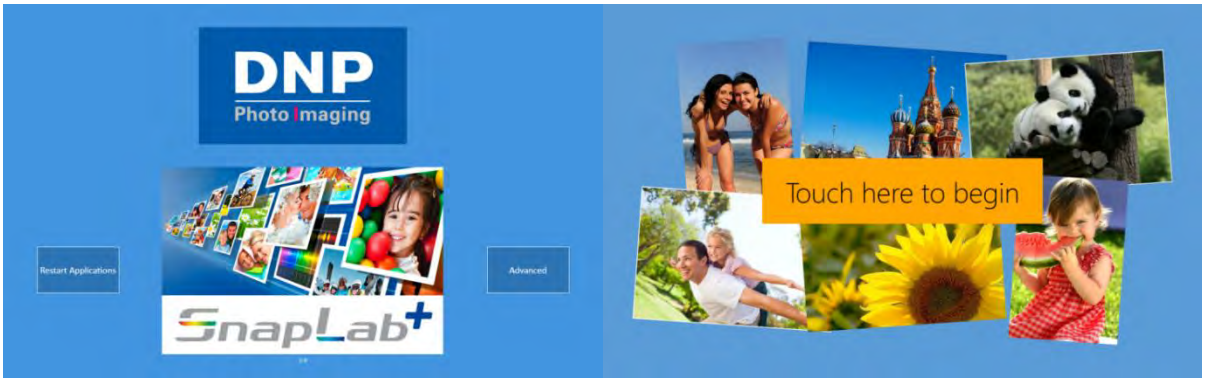
Note:
The current configuration won't be accessible; as it's the actual confuguration. This will be respected in any mode (Photo Editing Software vs Party Print).

30. Click on **Available Configuration**, **Snap Lab** button control & follow the instructions.



Note:
Please follow the instruction carefully before clicking on the Ok button. Remove the PartyPrint dongle and change the Wi-Fi Router.

31. Click the **OK** button and the system will re-start in few seconds automatically.
32. The system will launch the software 'Photo Editing Software'.



33. Touch the screen to start working with the system.

14. Printers configuration support

System Configurations

For better usage & performance of the system, we recommend using any one of the following configurations:

Configuration Type 1
DS620

Configuration Type 3
DS620 with DS820

Configuration Type 5
2 DS620, 1 DS820 or DS80

Configuration Type 2
DS620 with DS80DX

Configuration Type 4
DS620 with DS80

Configuration Type 6
DS620 with RX1 or RX1HS

Configuration Type 7
DS620 with DS40

Caution: Trying different configurations apart from the above are not supported by DNP
1. Please do not use same media type, For ex: 6x8 media on both DS620/DS40 2. Please do not connect two different printers of the same media type DS820 & DS80 3. Please do not connect DS80DX along with DS80, instead of DS80 please use DS820 for better performance & various print sizes. 4. Please do not connect printer DS620 w 6x8 media and printer RX1/RX1HS with 6x8 media.

Note:
For product matrix & supported media type per printer; verify the below table. For more information please contact our support team at: Support@dnpphoto.com

Printer Matrix

SL+ Product Matrix in Centimeter:

Product	Size	Printer W Media
Print Products: Simplex		
Simple Prints	9 x 13	DS 620 / RX1
Simple Prints	10 x 10 (Trim)	DS 620 / RX1
Simple Prints	10 x 15	DS 620 / RX1
Simple Prints	(10 x 15)2	DS 620 / RX1 w 15x20 Media
Simple Prints	(11 x 15)2	DS 620 w 6x9 Media
Simple Prints	13 x 13	DS 620 /RX1
Simple Prints	13 x 18	DS 620 /RX1/DS 820*
Simple Prints	15 x 15	DS 620 /RX1
Simple Prints	15 x 20	DS 620 /RX1/ DS 820
Simple Prints	15 x 23	DS 620 / DS 820*
Simple Prints	20 x 20	DS80 / DS 80 DX / DS 820
Simple Prints	20 x 25	DS80 / DS 80 DX / DS 820
Simple Prints	20 x 30	DS80 / DS 80 DX / DS 820

Product	Size	Printer W Media
Print Products : Calendars		
Calendar 1 Page Simplex	20 x 25	DS80 DX / DS 80 / DS 820
Calendar 2 Pages Duplex	20 x 25	DS80 DX
Calendar 13 Pages Duplex	20 x 25	DS80 DX
Calendar 13 Pages Simplex	20 x 25	DS80 DX / DS 80 / DS 820
Calendar 1 Page Simplex	20 x 30	DS80 DX / DS 80 / DS 820
Calendar 2 Pages Duplex	20 x 30	DS80 DX
Calendar 13 Pages Duplex	20 x 30	DS80 DX
Calendar 13 Pages Simplex	20 x 30	DS80 DX / DS 80 / DS 820
Calendar Single Page	15 x 20	DS 620 /RX1/ DS 820
Calendar 13 Pages Simplex	15 x 20	DS 820 / DS 620
Calendar 13 Pages Simplex	10x20	DS 80 / DS 820
Calendar Single Page	13 x 18	DS 620 /RX1/ DS 820*
Calendar Single Page	15 x 20	DS 620 /RX1/ DS 820

Print Products : Panoramic		
Panoramic Prints	15x35	DS 620 w 15x20 Media
Panoramic Prints	15x50	DS 620 w 15x20 Media
Panoramic Prints	20x45	DS 820 w 20x25
Panoramic Prints	20x65	DS 820 w 20x25
Panoramic Prints	20x55	DS 820 w 20x30
Panoramic Prints	20x80	DS 820 w 20x30

Print Products: Double Sided		
Double Sided Prints	10 x 20	DS80 DX
Double Sided Prints	15 x 20	DS80 DX
Double Sided Prints	20 x 20	DS80 DX
Double Sided Prints	20 x 25	DS80 DX
Double Sided Prints	20 x 30	DS80 DX

Print Products : Frames / Borders		
Simple Prints with Frame	9 x 13	DS 620 / RX1
Simple Prints with Frame	10 x 10 (Trim)	DS 620 / RX1
Simple Prints with Frame	10 x 15	DS 620 / RX1
Simple Prints with Frame	13 x 13	DS 620
Simple Prints with Frame	13 x 18	DS 620 / RX1
Simple Prints with Frame	15 x 15	DS 620 /RX1/ DS 820
Simple Prints with Frame	15 x 20	DS 620 /RX1/ DS 820
Simple Prints with Frame	15 x 23	DS 620 w 15x23 Media
Simple Prints with Frame	20 x 20	DS80 / DS 80 DX / DS 820
Simple Prints with Frame	20 x 25	DS80 / DS 80 DX / DS 820
Simple Prints with Frame	20 x 30	DS80 / DS 80 DX / DS 820

Print Products : PhotoBooks		
Photo Book	10 x 10	DS80 DX (White Trim)
Photo Book H/V	10 x 15	DS80 DX (White Trim)
Photo Book H/V	10 x 20	DS80 DX (White Trim)
Photo Book H/V	15 x 20	DS80 DX
Photo Book	20 x 20	DS80 DX
Photo Book H/V	20 x 25	DS80 DX
Photo Book H/V	20 x 30	DS80 DX

Print Products : Greeting Cards		
Greeting Card Simplex	10 x 20	DS80 / DS 80 DX / DS 820
Greeting Card Simplex	15 x 20	DS80 / DS 80 DX / DS 820
Greeting Card Double Side	10 x 20	DS80 DX
Greeting Card Double Side	15 x 20	DS80 DX

Print Products : ID Photo / Passport		
ID Photo	10 x 15	DS 620 / RX1

* : White space on the right side of the print

Printer with supported Media		
DS 620		10x15, 13 x 18
		15 x 20
		15 x 23
DS 820		20 x 25(Standard, Premium)
		20 x 30(Standard, Premium)
RX1 HS		9x13
		10x15
		13x18
		15x20

Printer with supported Media		
RX1		9x13
		10x15
		13x18
		15x20
DS 80		20 x 25
		20 x 30
DS 80 DX		20 x 25 Duplex Media
		20 x 30 Duplex Media

Note: 15x23 simplex calendar with 15x23 media only

Caution: Please do not mix DS 820 media with DS 80 vice versa; RX1 HS printer detects HS media only where RX1 can detect both HS/Standard

SL+ Product Matrix in Inches:

Product	Size	Printer W Media
Print Products: Simplex		
Simple Prints	3.5 x 5	DS 620 / RX1
Simple Prints	4 x 4 (Trim)	DS 620 / RX1
Simple Prints	4 x 6	DS 620 / RX1
Simple Prints	(4 x 6)2	DS 620 / RX1 w 6x8 Media
Simple Prints	(4.5 x 6)2	DS 620 w 6x9 Media
Simple Prints	5 x 5	DS 620 /RX1
Simple Prints	5 x 7	DS 620 /RX1
Simple Prints	6 x 6	DS 620 /RX1
Simple Prints	6 x 8	DS 620 / DS 820*
Simple Prints	6 x 9	DS 620 / DS 820*
Simple Prints	8 x 8	DS80 / DS 80 DX / DS 820
Simple Prints	8 x 10	DS80 / DS 80 DX / DS 820
Simple Prints	8 x 12	DS80 / DS 80 DX / DS 820

Product	Size	Printer W Media
Print Products : Calendars		
Calendar 1 Page Simplex	8x10	DS80 DX / DS 80 / DS 820
Calendar 2 Pages Duplex	8x10	DS80 DX
Calendar 13 Pages Duplex	8x10	DS80 DX
Calendar 13 Pages Simplex	8x10	DS80 DX / DS 80 / DS 820
Calendar 1 Page Simplex	8x12	DS80 DX / DS 80 / DS 820
Calendar 2 Pages Duplex	8x12	DS80 DX
Calendar 13 Pages Duplex	8x12	DS80 DX
Calendar 13 Pages Simplex	8x12	DS80 DX / DS 80 / DS 820
Calendar Single Page	6x8	DS 620 /RX1/ DS 820
Calendar 13 Pages Simplex	6x8	DS 820 / DS 620
Calendar 13 Pages Simplex	4x8	DS 80 / DS 820
Calendar Single Page	5x7	DS 620 /RX1/ DS 820*
Calendar Single Page	4x6	DS 620 /RX1/ DS 820

Print Products : Panoramic		
Panoramic Prints	6x14	DS 620 w 6x8 Media
Panoramic Prints	6x20	DS 620 w 6x8 Media
Panoramic Prints	8x18	DS 820 w 8x10
Panoramic Prints	8x26	DS 820 w 8x10
Panoramic Prints	8x22	DS 820 w 8x12
Panoramic Prints	8x32	DS 820 w 8x12

Print Products: Double Sided		
Double Sided Prints	4 x 8	DS80 DX
Double Sided Prints	6 x 8	DS80 DX
Double Sided Prints	8 x 8	DS80 DX
Double Sided Prints	8 x 10	DS80 DX
Double Sided Prints	8 x 12	DS80 DX

Print Products : Frames / Borders		
Simple Prints with Frame	3.5 x 5	DS 620 / RX1
Simple Prints with Frame	4 x 4 (Trim)	DS 620
Simple Prints with Frame	4 x 6	DS 620 / RX1
Simple Prints with Frame	5 x 5	DS 620
Simple Prints with Frame	5 x 7	DS 620 / RX1
Simple Prints with Frame	6 x 6	DS 620 / RX1
Simple Prints with Frame	6 x 8	DS 620 / RX1
Simple Prints with Frame	6 x 9	DS 620
Simple Prints with Frame	8 x 8	DS80 / DS 80 DX
Simple Prints with Frame	8 x 10	DS80 / DS 80 DX
Simple Prints with Frame	8 x 12	DS80 / DS 80 DX

Print Products : PhotoBooks		
Photo Book	4x4	DS80 DX (White Trim)
Photo Book H/V	4 x 6	DS80 DX (White Trim)
Photo Book H/V	4 x 8	DS80 DX (White Trim)
Photo Book H/V	8 x 6	DS80 DX
Photo Book	8 x 8	DS80 DX
Photo Book H/V	8 x 10	DS80 DX
Photo Book	8 x 12	DS80 DX

Print Products : Greeting Cards		
Greeting Card Simplex	4x8	DS80 / DS 80 DX / DS 820
Greeting Card Simplex	4x8	DS80 / DS 80 DX / DS 820
Greeting Card Double Side	6x8	DS80 DX
Greeting Card Double Side	6x8	DS80 DX

Print Products : ID Photo / Passport		
ID Photo	4x6	DS 620 / RX1

* : White space on the right side of the print

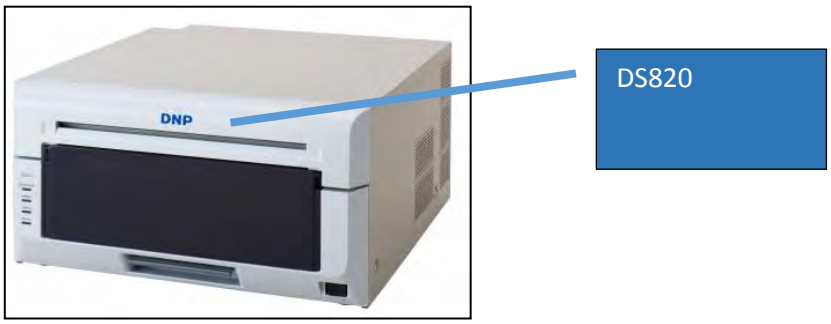
Printer with supported Media		
DS 620		4x6, 5x7
		6x8
		6x9
DS 820		8x10 (Standard, Premium)
		8x12 (Standard, Premium)
RX1 HS		3.5x5
		4x6
		5x7
		6x8

Printer with supported Media		
RX1		3.5x5
		4x6
		5x7
		6x8
DS 80		8x10
		8x12
DS 80 DX		8x10 Duplex Media
		8x12 Duplex Media

Note: 6x9 simplex calendar with 6x9 media only

Caution: Please do not mix DS 820 media with DS 80 vice versa; RX1 HS printer detects HS media only where RX1 can detect both HS/Standard

DS820 Printer Support



DNP is pleased to introduce brand new 8” inch printer with various features.

Some Key Features:

- More print formats/sizes
- New photo finishes: Luster, Fine Matte along with Glossy & Matte
- Rewinding function*
- Standby mode for less power consumption
- Supports standard digital media & High Quality media

*Rewind function available only in certain global regions.

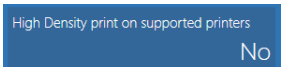
Attention:
DS820 printer detects both Standard & High Quality media.

Please refer Product Matrix for supported products/print sizes for DS820

For more details on the DS820 printer, please refer to our website:
http://www.dnpphoto.com/Printers/DS820A

DS820 High Quality Media Support

- DS820 brings the high definition printing using High Quality media.
- The operator can activate the ‘High Definition’ mode for HQ media.
    - Go to, Admin, Settings/products/printer parameters/High Density print on supported printers/
    - ON/OFF (default value : NO)



- The HD mode works on both 300x300 dpi & 300x600 dpi (recommend using 300x600 dpi)
    - Go to, Admin, Settings/products/printer parameters/Resolution/
    - ON/OFF (default value : 300X300 dpi)

Note:
The software detects HQ media and activated HD mode automatically

Do not change the media type from Standard to HQ or vice versa in the middle of a print job, in case of a media over

RX1HS printer support

The Photo Editing Software supports new RX1HS printer (HS: High Speed 20% faster than RX1):

RX1HS printer detects only HS media, where RX1 printer detects both standard & HS media. Please refer "Product Matrix" for supported product/print sizes for RX1HS. The products & print sizes are same for both RX1 & RX1HS printer. For more details on the RX1 HS printer, please refer to our website: http://www.dnpphoto.com/Printers/DS-RX1HS

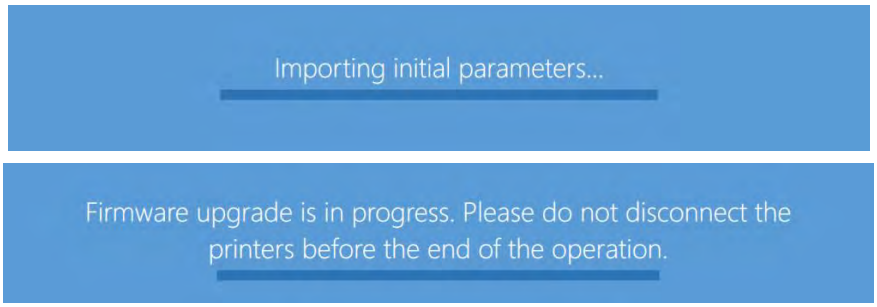
15. DNP DS-Printer Firmware Upgrade

From the PES (photo Editing Software) version 1.4.31.7, the firmware upgrade for DNP Printers made it easy; i.e. the software will flash the firmware automatically when a DNP printer is connected with the system (Snap Lab Hardware).

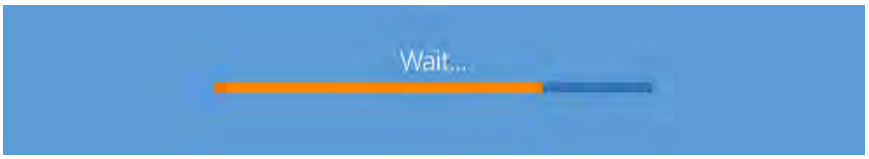
Firmware Upgrade Process - Automatic:

Let us consider that the new software is properly installed in the system and the system has been restarted successfully.

1. The system will detect the connected the DS620 printer to check the firmware version.
2. If the firmware version is less than v1.41 on DS620, then update process will start automatically.
3. Please wait until the below process have been completed:



Note:
The printer produces multiple beeps & flashing LEDS. At the end of the successful firmware upgrade, the printer will put back to green color LED.



4. Finally the system will display the screen saver of the software.

Attention:
Please do not turn of the printer while the software is flashing the firmware. The firmware update is for DS620 and DS820 only; not for any other DNP DS Printers. The software won't upgrade firmware on multiple printers (DS620 / DS820) at the same time; always one printer at a time. For **DS620 v: 01.41; DS820 v: 01.05** is the correct version for this software release.

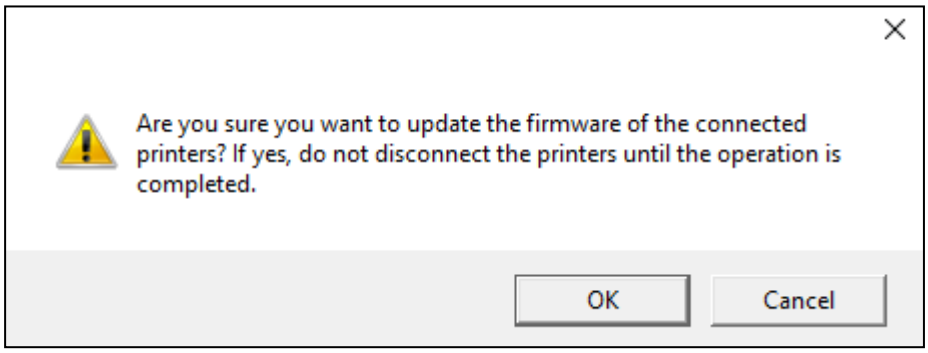
5. To confirm the printer firmware upgrade: Settings/Diagnostics/Printer Status:

Firmware Upgrade Process - Manual:

The PES allows manual firmware upgrade for DNP DS Printers, Settings/Diagnostics/update firmware/:

1. Please make sure the DNP Printer (DS620 or DS820) is connected & turned ON.
2. Click on the button **Update Firmware**.
3. Please click on **OK** of the confirmation message.

4. Wait for the software finishes the firmware upgrade process.



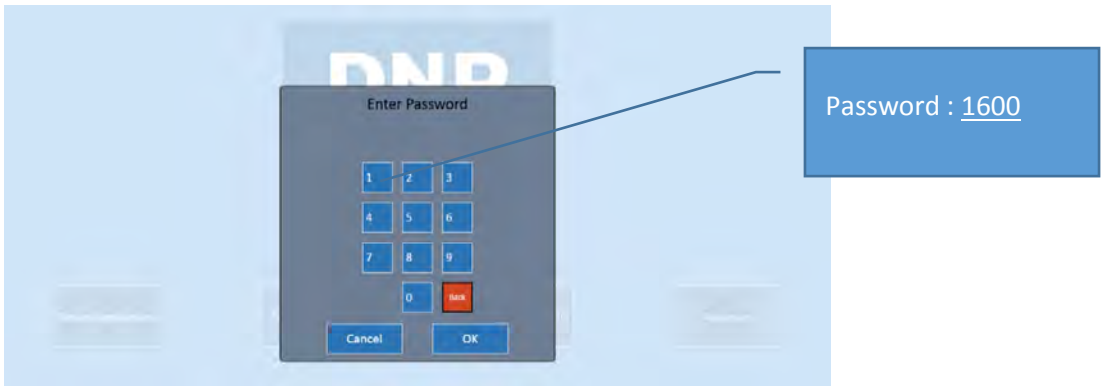
Attention:
Please do not turn of the printer while the software is flashing the firmware. The firmware update is for DS620 and DS820 only; not for any other DNP DS Printers. The software won't upgrade firmware on multiple printers (DS620/DS820) at the same time; always one printer at a time. For **DS620 v: 01.41; DS820 v: 01.05** is the correct version for this software release.

16. DS620 Printer 6x9 Firmware Update

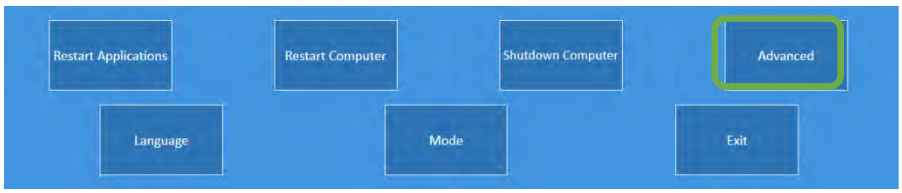
Some DS-620 printers may not be updated with 6x9 inch firmware. We apologize for the inconvenience.

5. Remove the 6x9 media and place the 6x8 media.
6. The update cannot be performed with 6x9 media inside the printer.
7. Exit from Photo Editing Software or from Party Print.
8. Exit from Launchpad software.
9. To change the mode, click on the **advanced** button.

10. Type the password **1600**.



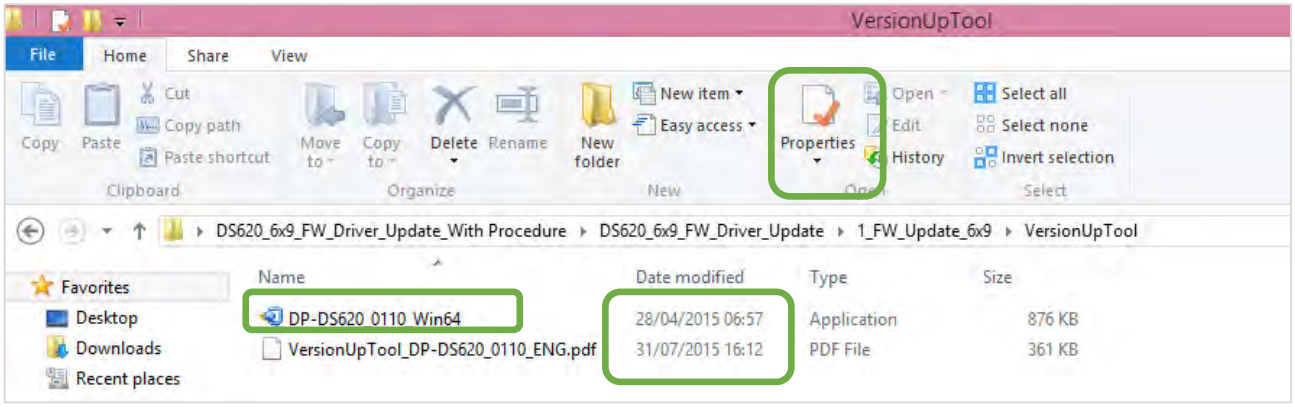
11. Please click on the **Mode** button quickly.
12. The advance control will disapper in 3-5 seconds.



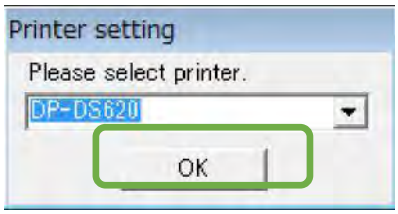
13. Click on **Exit** button (see the top screen-shot).
14. Now the system will display the Desktop.

Do not delete any icon/files from the desktop. Deleting any icon/files, the system and Photo Editing Software may not function properly.

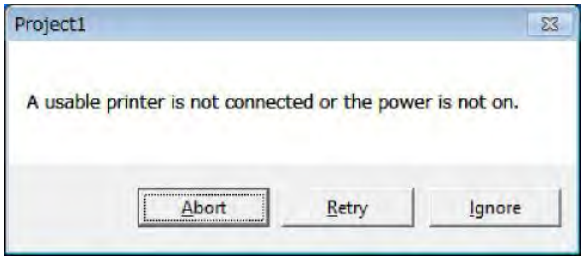
15. Open the folder 'DS620_6x9_FW_Driver_Update_With Procedure'.



16. Go to the folder **VersionUpTool**.
17. Double click on the file **DP-DS620_0110_Win64**.
18. Select Printer **DP-DS620**
19. Click on **Start** then click the **End** button when it is prompted.



20. If the printer is not connected then the software will display the below message.
21. Please check the printer USB is properly connected with the Snap Lab system.



22. For more details on 6x9 FW update please refer to VersionUpTool_DP-DS620_0110_ENG.pdf.
23. By default the system has 64 bit FW ugrade executable file because the windows OS is 64 bit.

17. Troubleshooting

Contacting Technical Support

For any technical issue(s) and/or question(s), please contact the support team at:

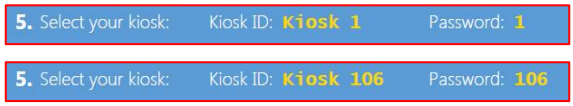
support@dnpphoto.com

Issue with Wireless Transfer via 'PhotoPrints' App

Incorrect Kiosk ID and Password:

If the screen suggests the following options kiosk for wireless transmission of photos, there is a problem with your PhotoPrints router:

Incorrect IP Address



The router must be connected to Snap Lab and turned ON before starting (turning ON) system

Correct IP Address

Local Immediate Print Product is No Longer Available

If you are using DNP printers, the software automatically hides the products which can not be processed. Make sure the printer is powered on, with available media, connected to the Snap Lab and ready to print.