



DIGITAL PHOTO PRINTER

DP-DS820DX

Version 1.0.67.17

DS820DX Photo Print Software Instruction Manual

Supported printer	: DS820DX
Firmware version	: Version 1.16 or higher



User manual

Exclusively for DNP Printer **DS820DX**

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Dai Nippon Printing Co., Ltd. (DNP) provided ICC profiles implemented into DS820DX Photo Print software. The ICC profiles provided by DNP are prepared using the technology of Xrite, Incorporated.

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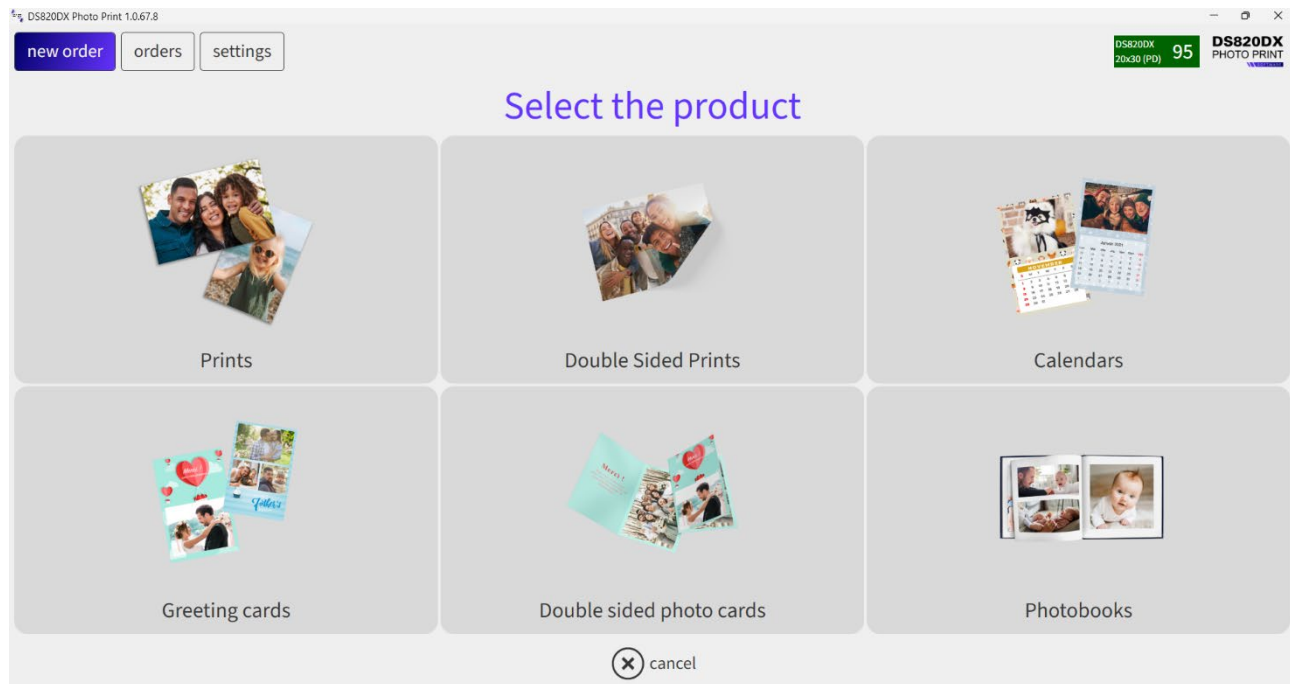
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Introduction



DS820DX Photo Print is a software system to make Prints, Calendars, Prints with Frames and Photobooks of various sizes. The software allows selection and editing of digital images to be printed with DNP DS820-DX model only. When the DS820DX printer is inserted with the respective media, the product line items will be enabled automatically.



Note: All the products and its print sizes are ON/OFF type from Admin settings.

System Requirements

PC Specifications

- Windows 10 64-bit and Windows 11 64-bit
- 2 GB or greater disk space required for installation. 200 MB or greater archival space is also required.
- 1920 x 1080 recommended resolution also works with other resolutions with aligned controls.

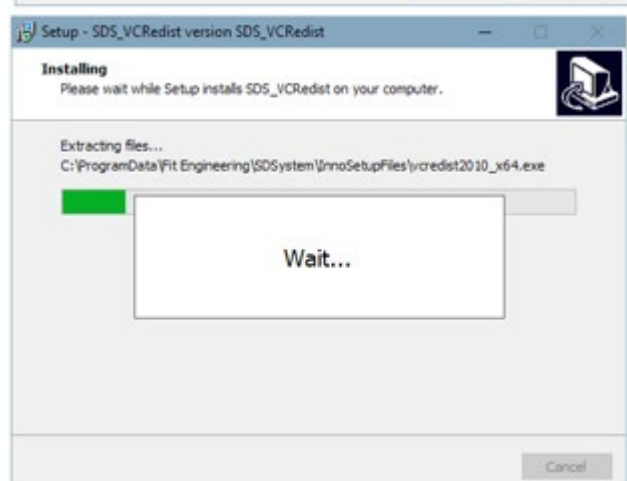
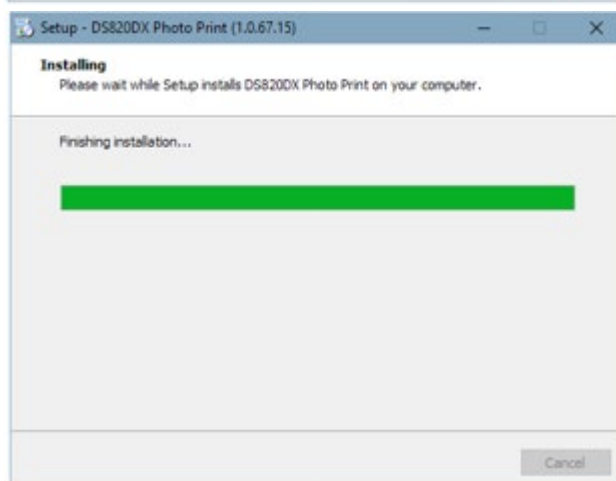
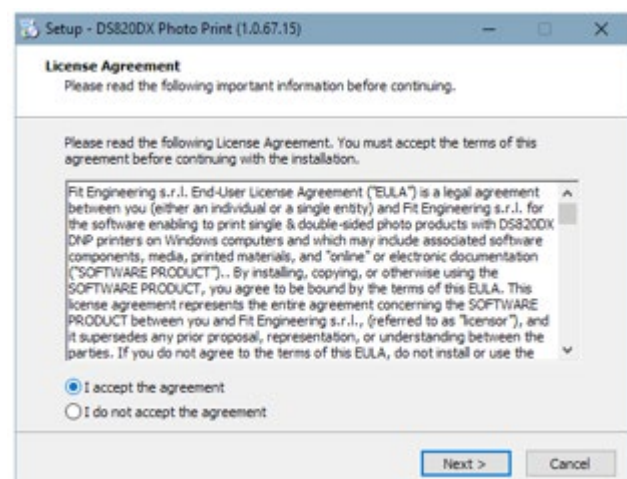
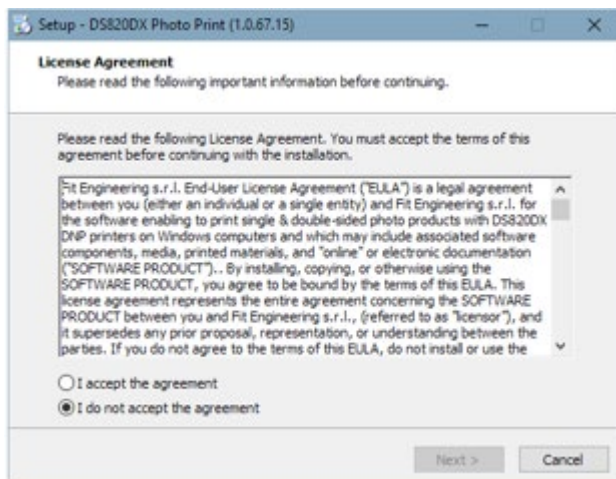
Supported Image File Types

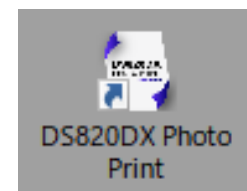
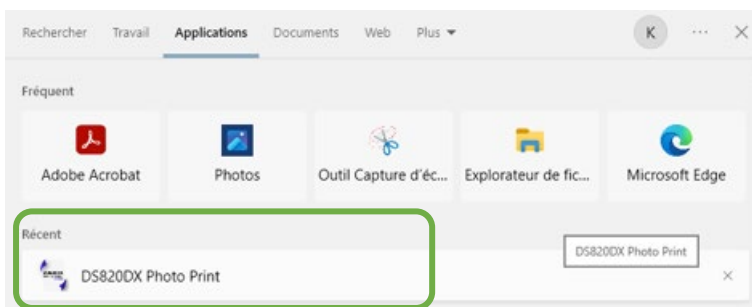
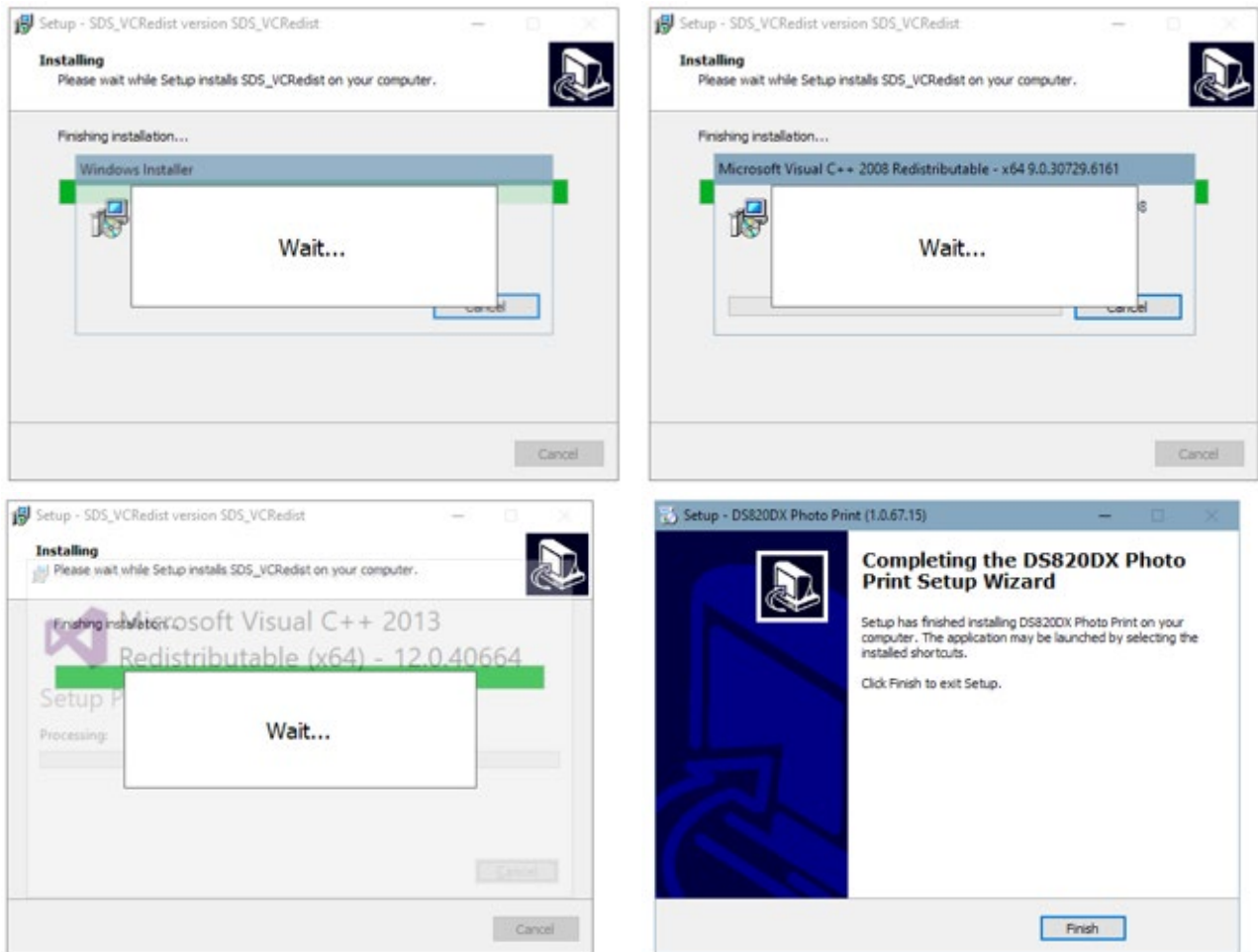
The following image types are accepted by the software

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

Installing DS820DXPhotoPrint Software on Windows

1. The DS820DXPhotoPrint installation file can be downloadable from each DNP territory website.
 - a. A QR code leaflet placed inside the printer box, check the QR code for details.
2. Double click on the installer “**DS820DXPhotoPrint_1.0.67.XX.exe**” file to begin the installation.
3. The software prompts with the End-User License Agreement, please read the content then click on radio button ‘I accept the agreement’ to proceed to install the software.
4. Click on ‘Next’ to install the software.
5. Software prompts various installation steps until the final ‘Finish’ screen.
 - a. The software installs automatically required dependencies during this installation process.





Icon on the desktop/bureau

Icon of the software under start menu, Applications:

Quick start

System setup

Before you start working with the photo editing software, connect and switch on DS820DX Printer. The *Photo Editing Software* will automatically display the products that can be printed with connected printer and loaded media when DS820 DX printer is connected.



Note: If the DS 820 DX Printer is not connected, the software will display the following message:



When the printer is connected to the system, the above message will not appear, and the software will display the products window as per the connected printers.

 Fill media into the printer (Insert ribbon, Trey paper or roll paper) for printing.

Where it prints

With DS820DX Photo Print software you can print directly with DNP printer, without installing any drivers.

Supported DNP printer is “exclusively” DS820DX.

Color profile: DS820DX Photo Print software uses the most recent color profiles provided by DNP. You can also enter a color profile by entering settings / printer parameters.

You can also choose from four types of overcoat finishes for the printed surface:

- Gloss: Glossy type
- Matte: Matte type
- Fine Matte: Matte type with fine grain and a strong matte finish
- Luster: Semi-gloss type with uneven surface and little reflection of light

Input Devices

Print orders

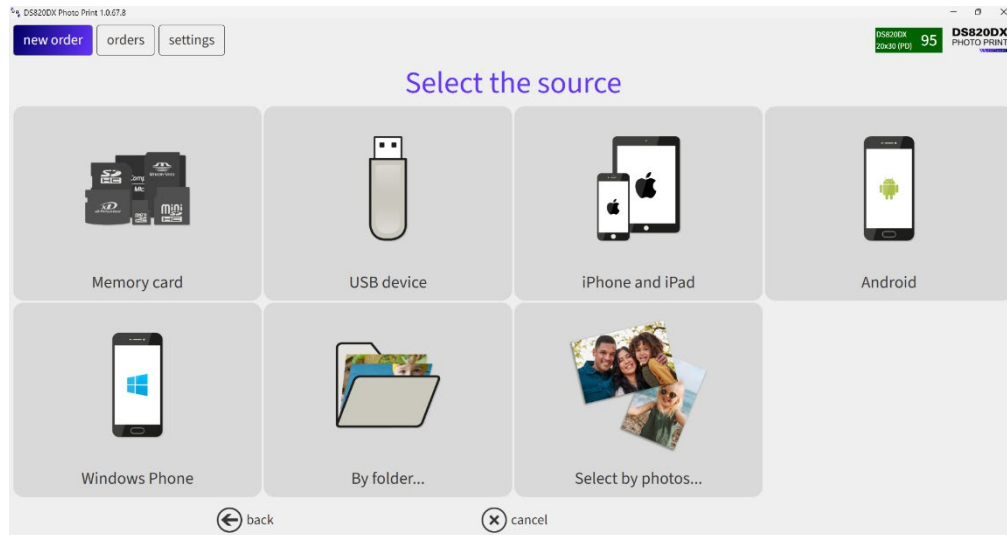
User can choose images to be printed from various digital sources such as local disc folder, memory card, USB drive, and mobile phones.

Images

How to Load Images?

Images can be loaded from various digital sources: Memory Card, USB devices, CD/DVD, Smartphones, Tablets, Folder and Select by Files.

Image loading screen will appear after product selection.

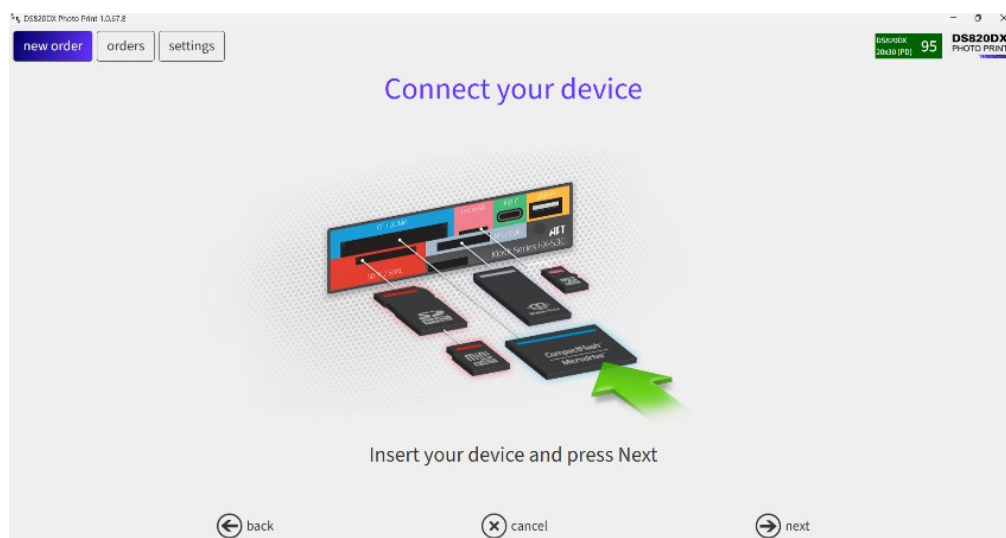


Insert digital media into appropriate loading slots of the computer running DS820DX Photo Print software.

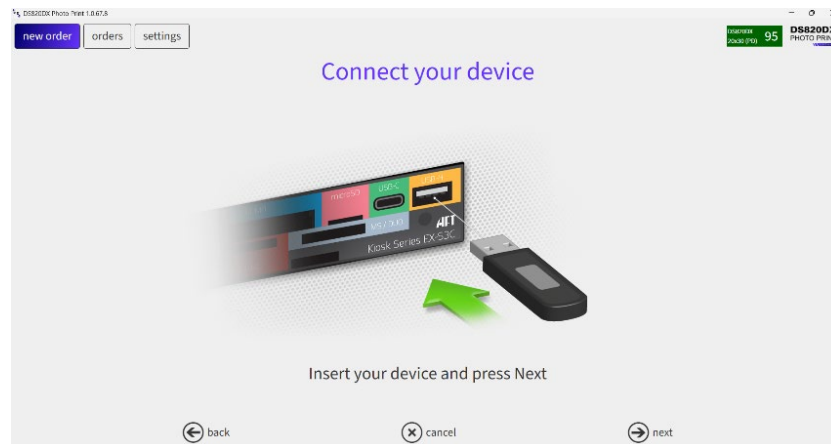
Select on the screen the digital media type you want to load images.

The visualization criteria depend upon the media type:

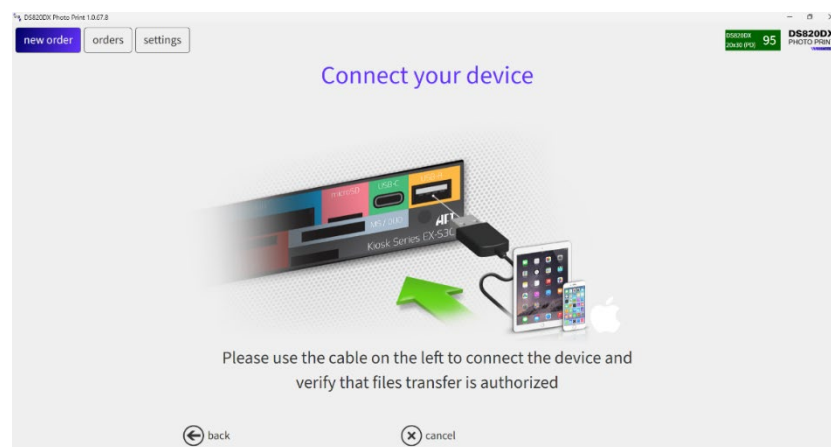
- **Memory card:** Insert the memory card into the appropriate slot to display all the images stored in the media. Select images and press next to load selected images.
 - ➔ The memory card must be removed to finalize the order.



- **USB device:** Insert the USB stick into the USB port and the software will display images / folders of the media. By selecting a folder, images contained in that folder will be displayed. Select images and press next to load selected images.
 - ➔ The USB stick must be removed to finalize the order.

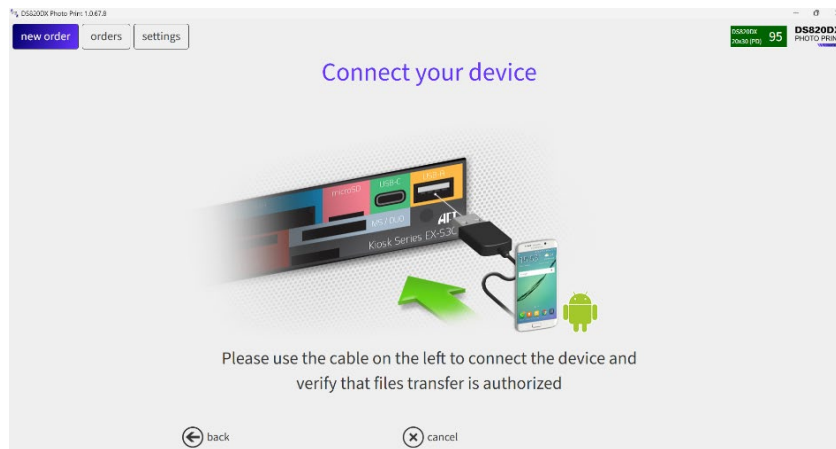


- **I-Phone and i-Pad:** it will open a selection screen with cable connection instructions for iOS devices. The cable connection of the mobile device must be removed to finalize the order.
 - Apple devices: only images from local gallery will be visible, if you have your images from the Cloud, please download it locally on your Apple device.

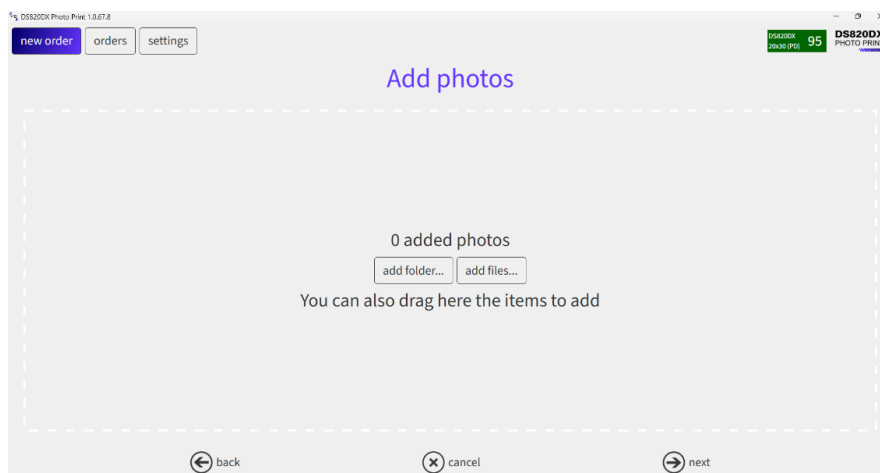


- ➔ If the device is not ready, then the software will make requests to verify your device.
 - Please unlock your mobile device before connecting.
 - Please remove security access.
 - Please trust this system when a message pops up in your mobile device.

- **Android:** it will open a selection screen with cable connection instructions for ANDROID devices. The cable connection of the mobile device must be removed to finalize the order.



- ➔ If the device is not ready, then the software will make a request to you verify your device.
 - Please unlock your mobile device before connecting.
 - Please remove security access.
 - Please trust this system when a message pop-up in your mobile device.
- **Local Folder:** it will open a file explorer window to select folder with images to load.
- **Select by photos:** it will open a selection screen to select and load image files. Loading all images from a folder is also possible.

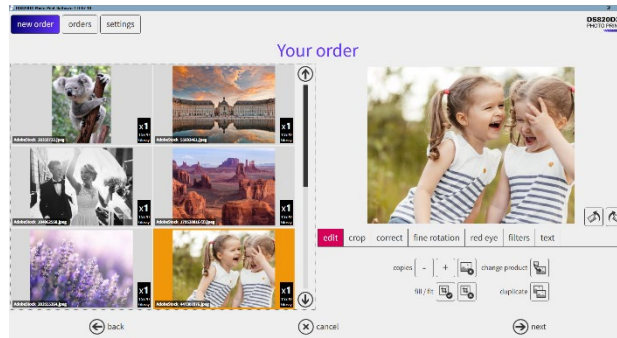


How to Edit Images?

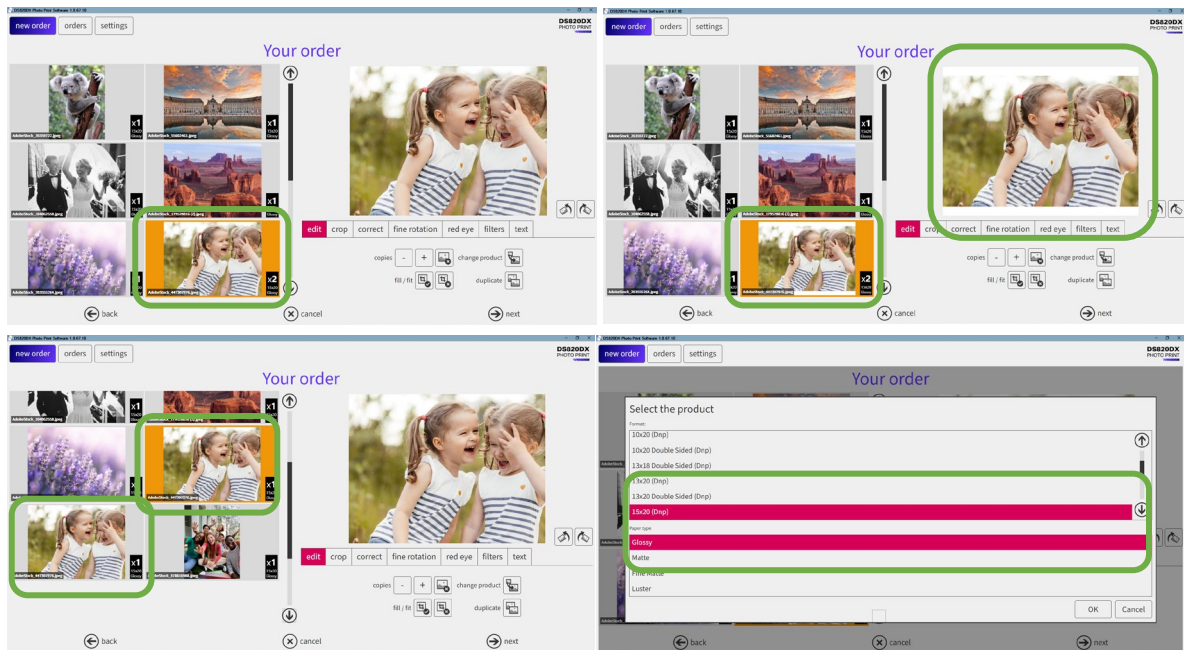
After loading, images can be adjusted with multiple tools: crop, correct, red eye, filters. Also, text can be added at this stage.

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

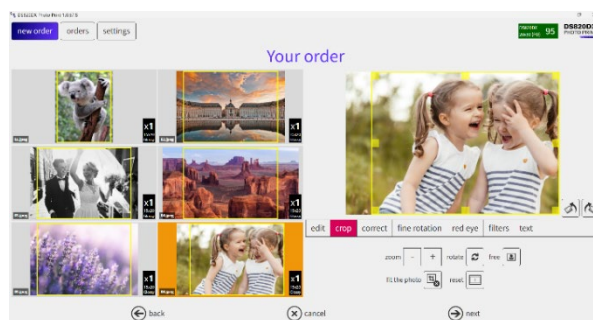
- Edit



- ✓ Increment Decrement Copies
- ✓ Fit to Image or Fit to Paper
- ✓ To Duplicate the selected Image
- ✓ Change Product from existing to another product line item



- Crop

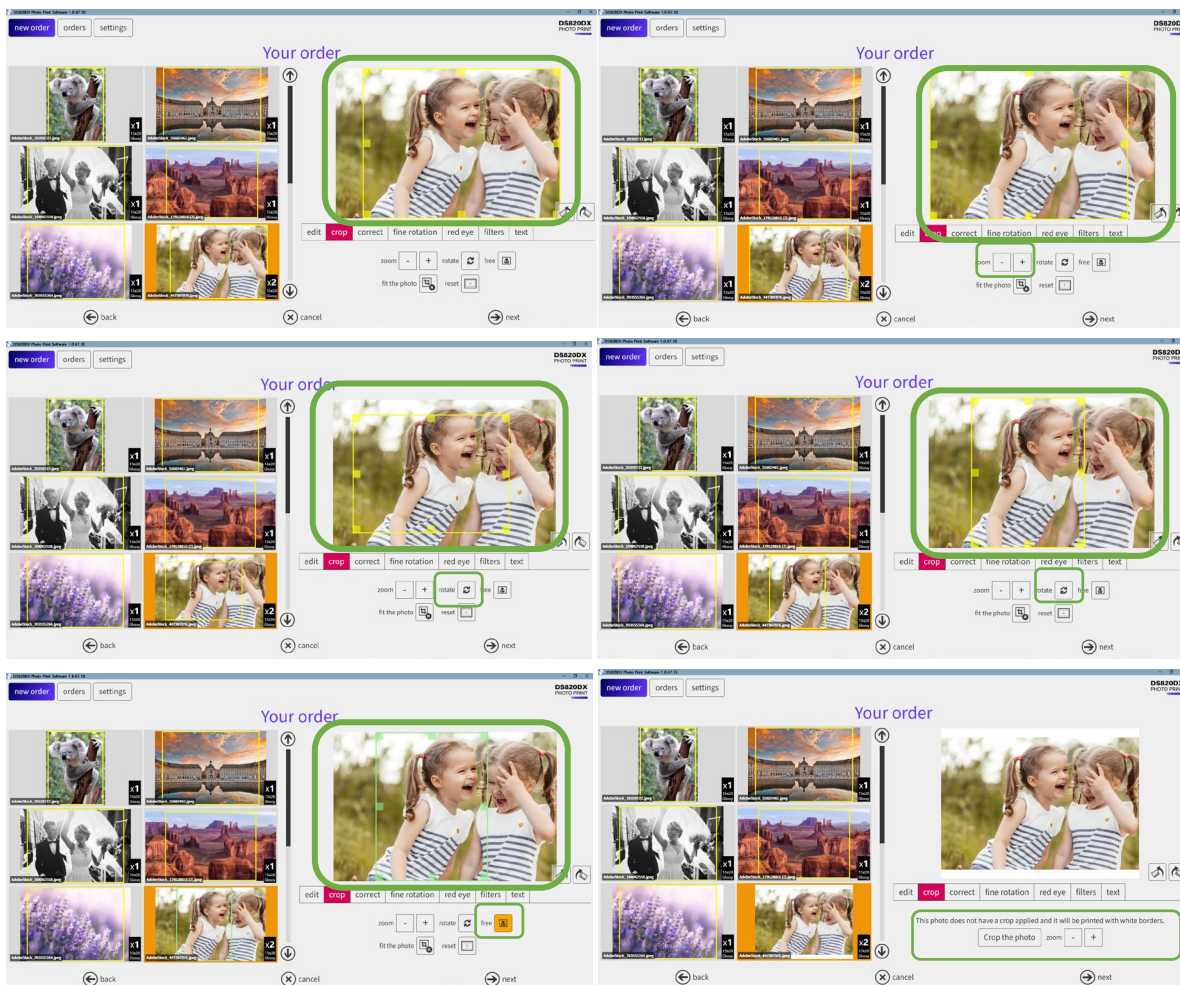


- ✓ Right Left Top Bottom: Move Crop
- ✓ Zoom : + or –
 - + to Zoom in
 - - to Zoom out
- ✓ Rotate: To rotate the Image
- ✓ Fit the Photo: Fit the photo to the selected size, with a white border
 - Click on 'crop the photo' to go back to the previous screen
- ✓ Reset: To Reset the modified changes
- ✓ Free: disengage link of width and height to print size ratio

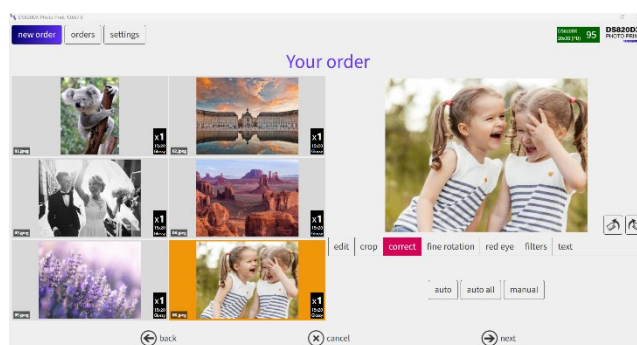


Note: By default, the Framing adoption set to 'Fit to Image (Images are cropped)' but 'Fit the Photo' button control provides full image with White Border

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



- Correct

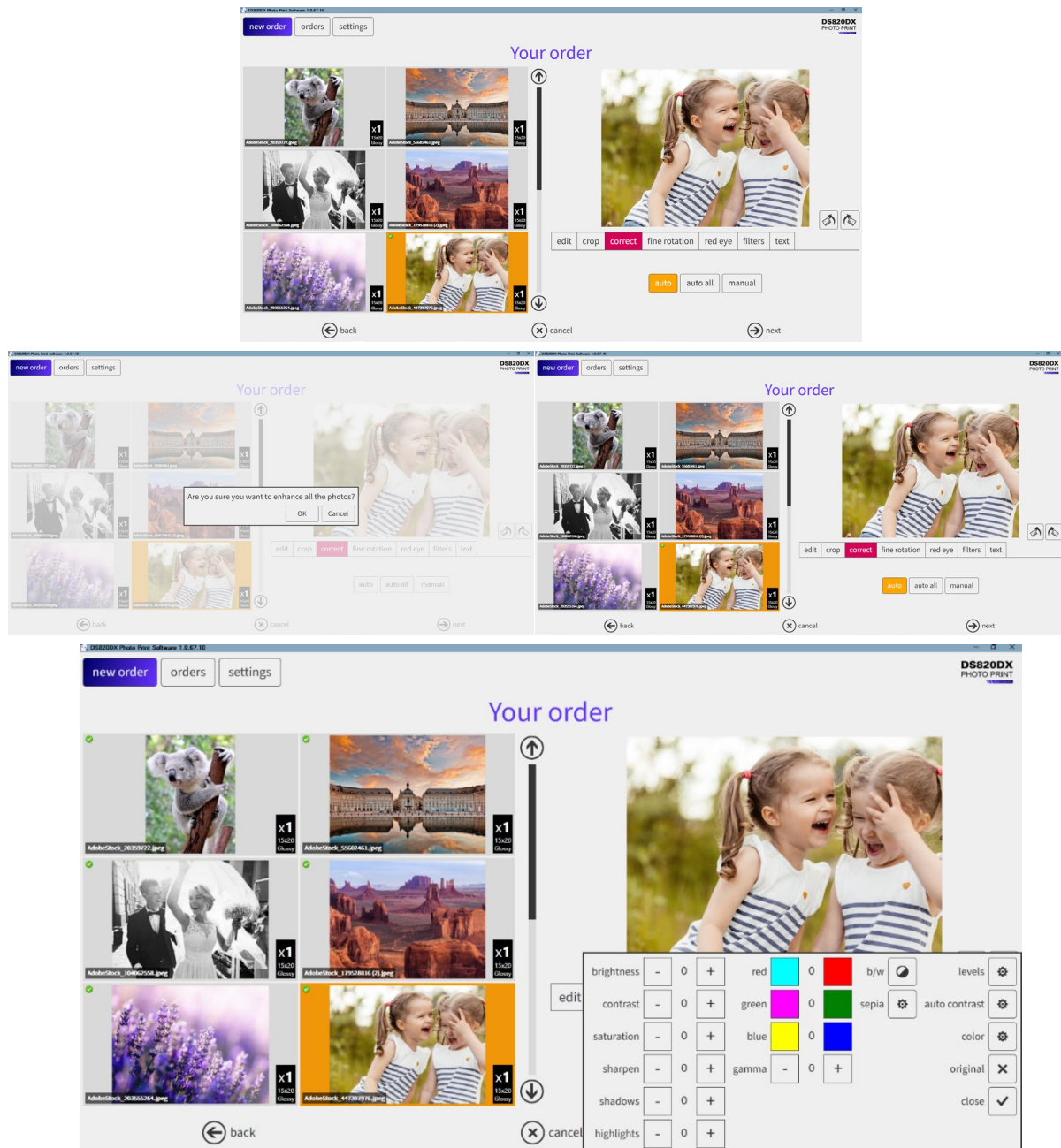


Color Correction

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

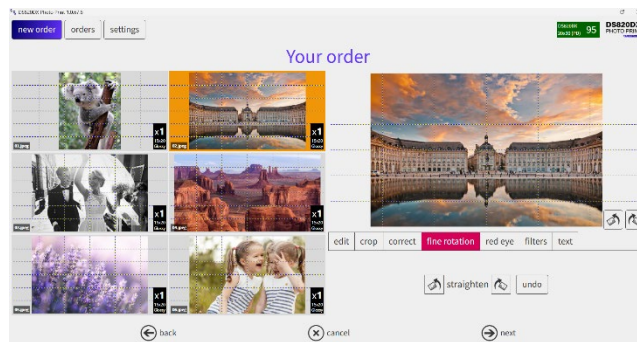
Clicking on AUTO the selected image will be automatically adjusted by local density correction.

⚠ *Clicking on Auto All, the color correction improvement applied to all the images, but the toggle switch remains highlighted to the button 'Auto' as an image already got selected by the user.*



- Brightness: click on "+/-", to increase & decrease the overall lightness of the selected image
- Contrast: Click on "+/-", to increase & decrease pixel density of the selected image
- Saturation: Click on "+/-", to increase & decrease the color intensity of the selected image
- Sharpen: Click on "+/-", to increase & decrease the sharper appearance of the selected image
- Shadows: Click on "+/-", to increase & decrease the darkest area of the selected image
- Highlights: Click on "+/-", to increase & decrease the lightest element of the selected image
- Red, green, blue: click on the color buttons of the selected image
- Gamma: Click on "+/-", to adjust the luminance pixel level of the selected image
- B/W: click on the button to apply black and white, grey scale to the selected image
- Sepia: click on the button to apply black & white warm tone to the selected image
- Levels: Click on the button to adjust the brightness color tones & contrast of the selected image
- Auto contrast: To adjust the overall pixel density of the selected image automatically
- Color: To adjust the overall RGB colors of the selected image
- Original: To restore the original image by discarding all the changes
- Close: to close the manual edit window

- Fine rotation

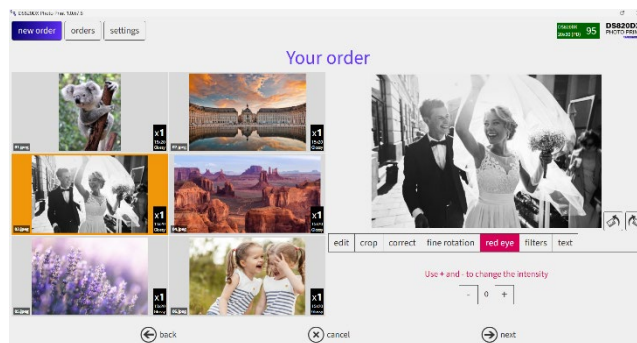


Straighten

- ✓ Straighten Clockwise
- ✓ Straighten Anti-Clockwise
- ✓ Undo Straighten

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

- Red Eye

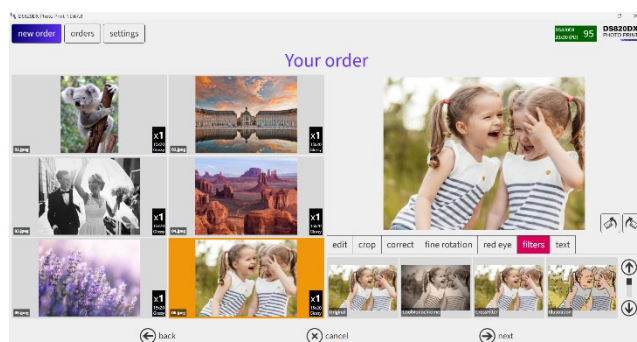


Red Eye

- ✓ Click on the image to display the RedEye Control
- ✓ Select the correction area
- ✓ Click on “+” to apply (the maximum count is 3)
- ✓ **Note:** By default Auto Red Eye correction is enabled.

Click on “+” button and wait a moment, if red eye is not automatically corrected click on “+” button again. Maximum correction level is 3.

- Filters

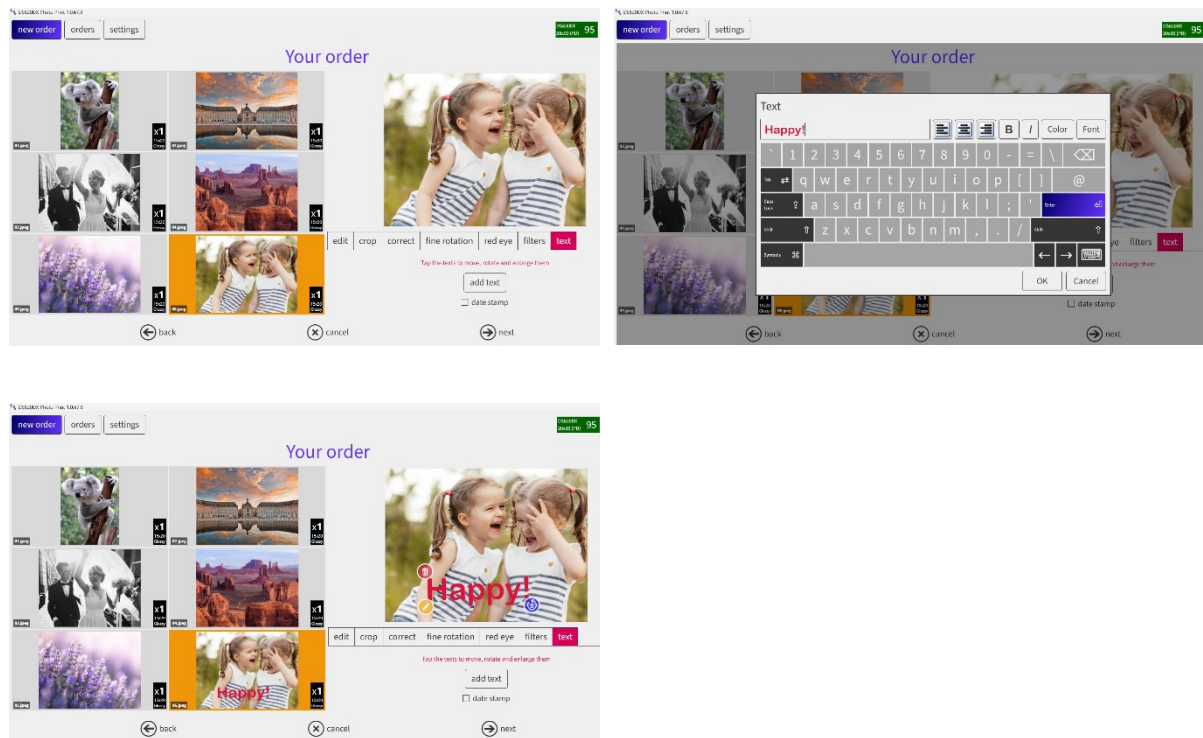


Apply a filter to modify an image

- ✓ Select the desired filter from the examples
- ✓ Use scroll bar to see all the examples
- ✓ **Note:** select original to restore original image with no filters applied

- Text

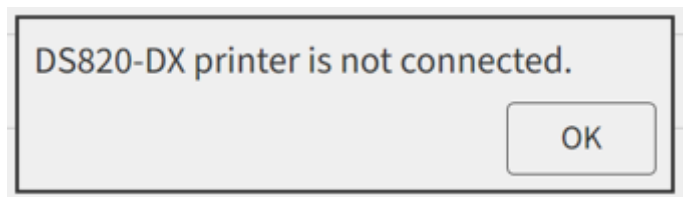
- Click on the 'Add text' button to add text on the image or anywhere on the template.
 - See screen shot below.



- ✓ Click on 'add text'
- ✓ Enter the desired text in the textbox
 - In the same window, we can decide the color, font type, font size, symbols etc...
- ✓ Press Enter or Ok to display the text on the image
- ✓ Select the text to position the text by dragging
- ✓ Select the text for further modification by clicking the yellow color 'Pencil' control
- ✓ Select the text & click on the 'Bin' symbol for deleting the text
 - Color: click on the color button to choose various colors
 - Font: click on the font button to choose the desired font

⚠ Attention:

Let's make sure the printer is ON to print, otherwise by pressing the 'print now' button during the order making process from, if the printer is not connected/turned off, the following message is displayed by the software, refer the icon on the right side:



Refer to the printer quick start guide to know about how to set up the printer behavior.

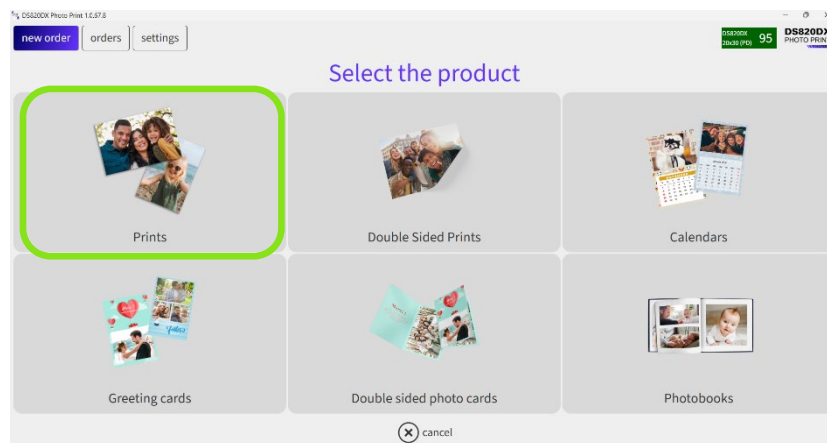
Products

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

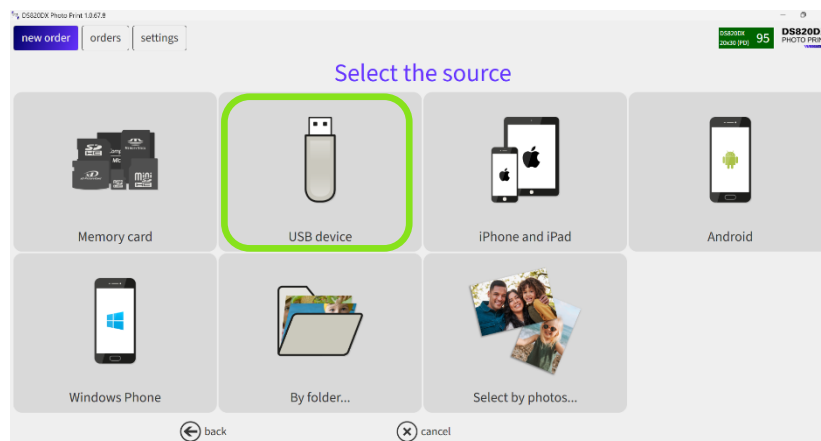
Prints

This is the Workflow of creating and printing Single Sided Print product.

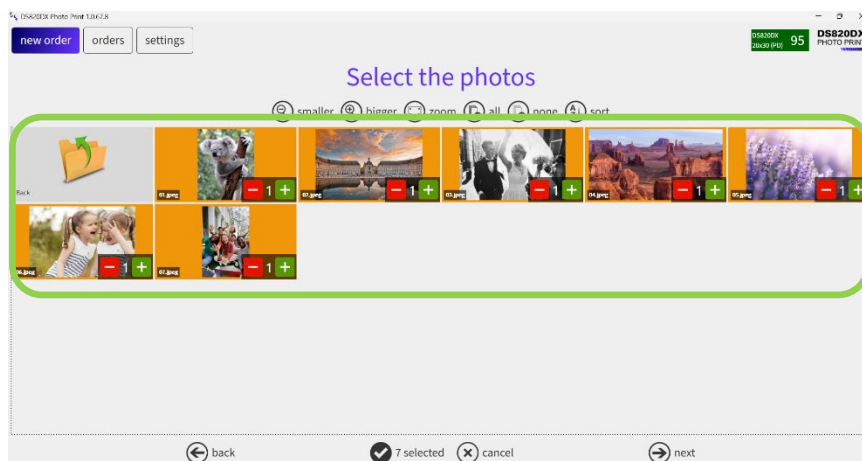
1) Select Prints.



2) Select media where images are located, as an example USB device.

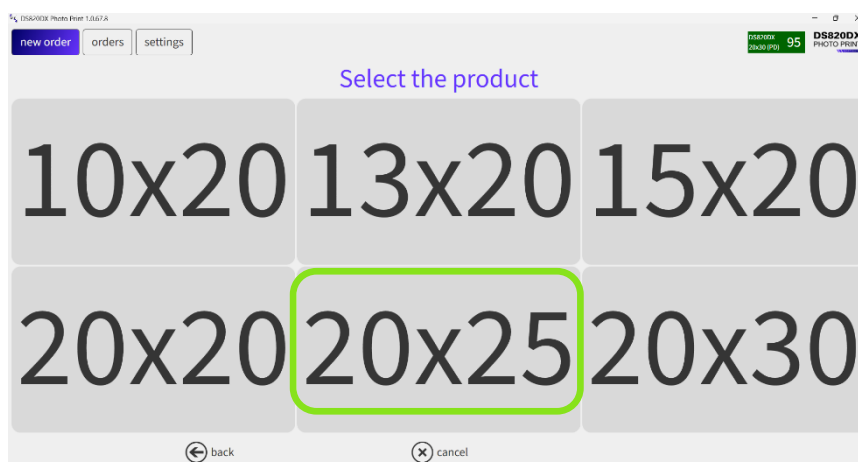


3) Select images.

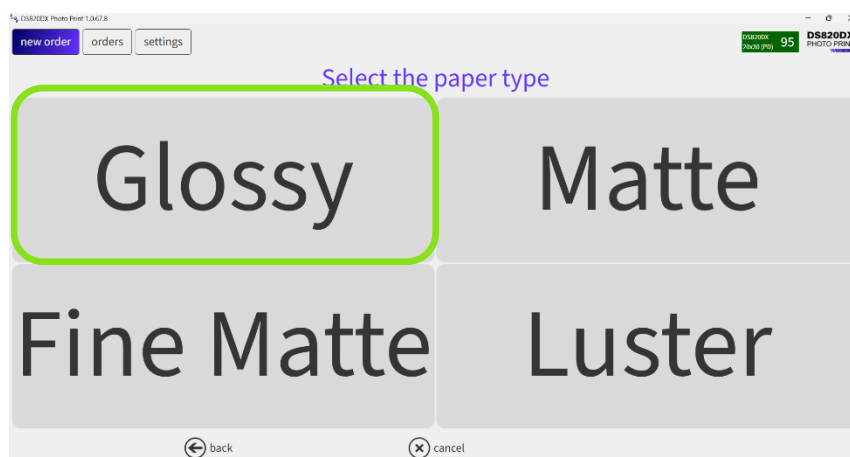


By pressing “+” or “-” sign the print quantity can also be entered at this stage.

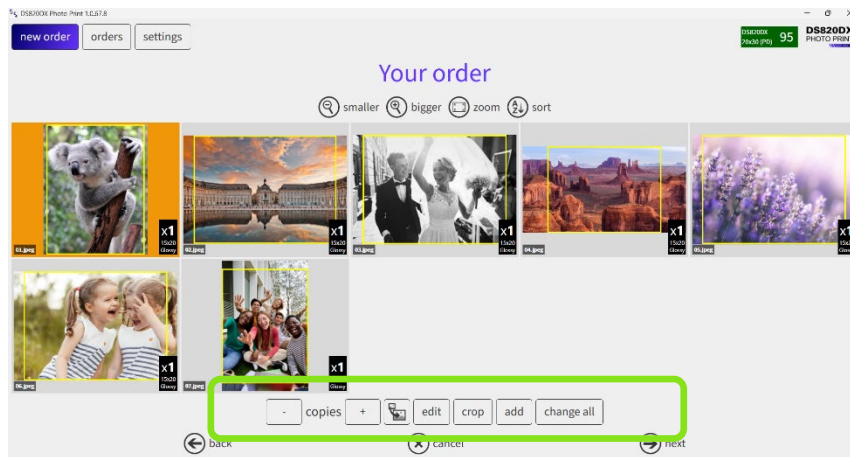
4) Select product.



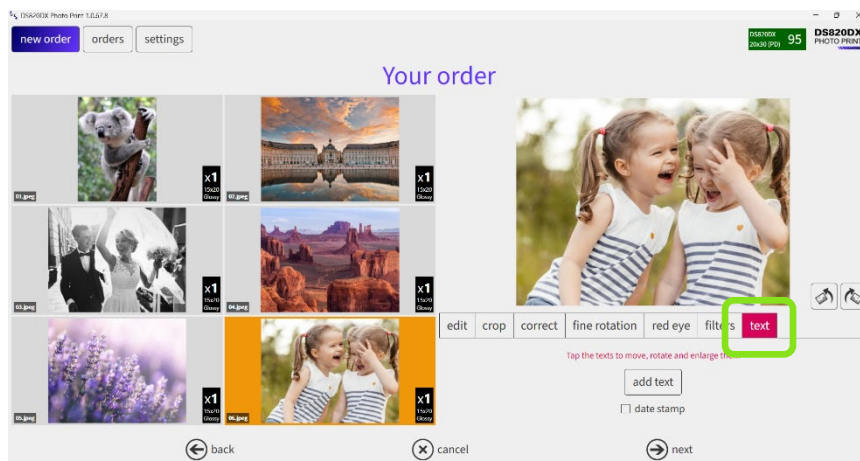
5) Select paper finish type.



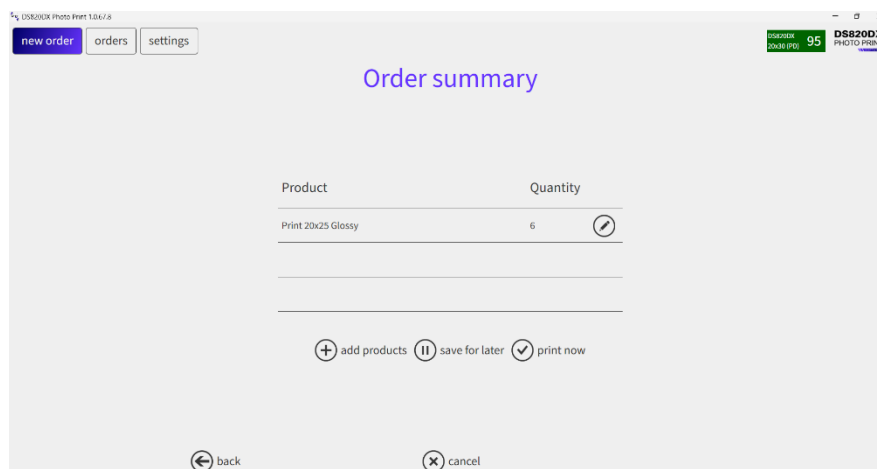
6) Edit print quantity, crop and enhance images, add text (see also Edit section **page number 12**).



7) Add Text.

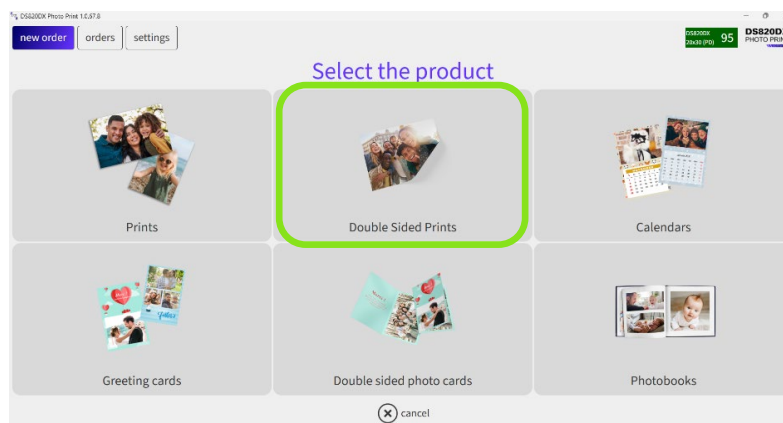


8) Order summary.



9) Press "print now" to print the order or "save for later" or "add products."

Double Sided Prints

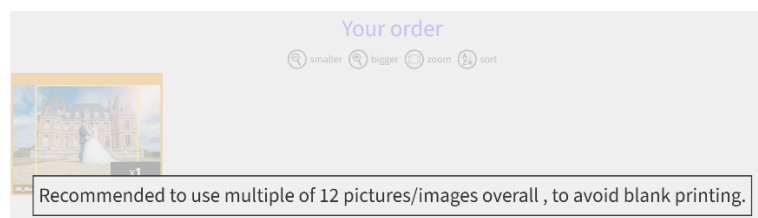


Double sided prints workflow is same as Prints (Single sided print, [refer page number 18-20](#)) workflow.

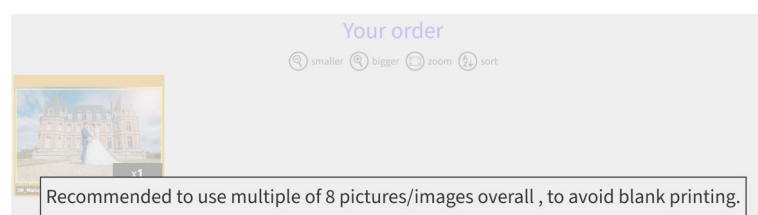
- Select images in even numbers
 - If selected images in odd numbers, then the software will print a blank page for the missing image.
- Select the print size
- Select the finishing type
- Edit or can other adjustments in the order screen if necessary
- Order summary page to verify the order
- Print the order

The software displays the following message for the products: **Double Side Prints**

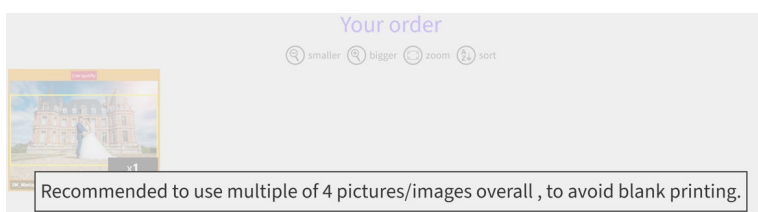
- 3.9x4"/9.9x10cm size: Recommended to use multiple of 12 pictures/images overall, to avoid blank printing.



- 3.9x6"/9.9x15cm size: Recommended to use multiple of 8 pictures/images overall, to avoid blank printing.



- 3.9x8"/9.9x20cm size: Recommended to use multiple of 4 pictures/images overall, to avoid blank printing.

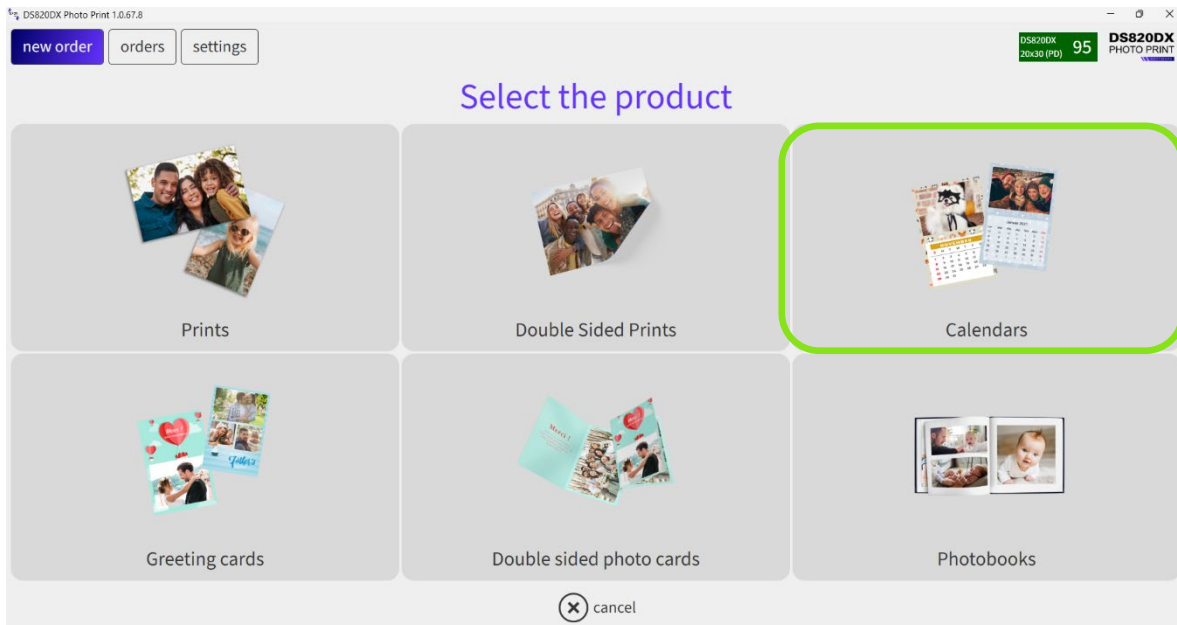


⚠ If the number/quantity of images not in the multiple numbers as above, the software will print blank images for the missing number of the images. For ex: 3.9x6 requires minimum 8 images to utilise 8x12 duplex paper/ribbon, lets says 14 images used then the software will print blank images for 15 & 16.

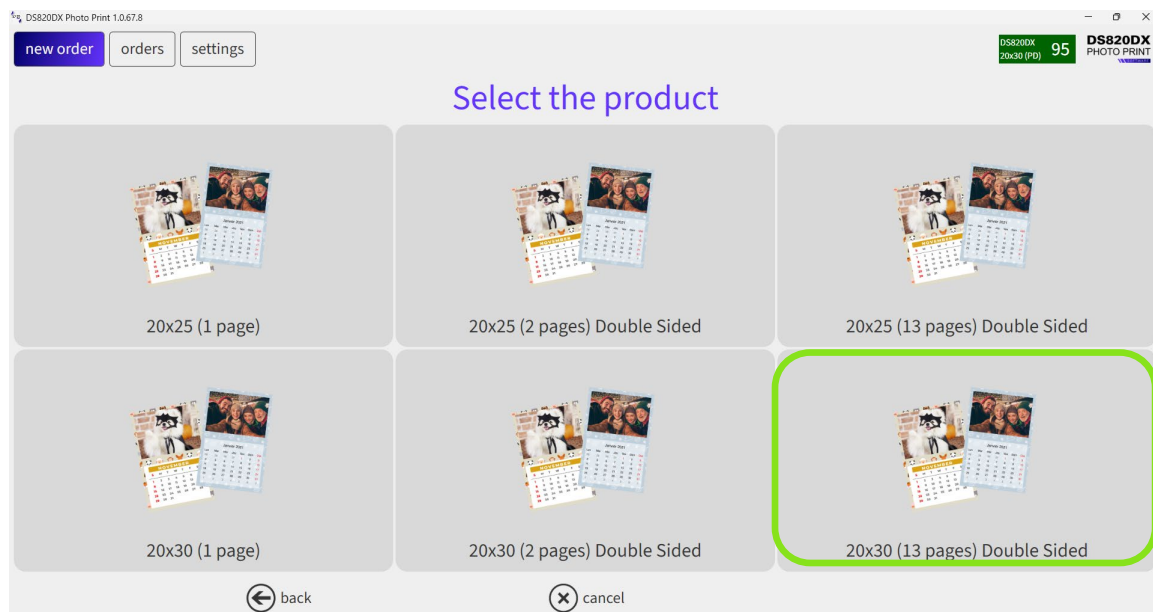
Calendars

This is the Workflow of creating and printing a Calendar product.

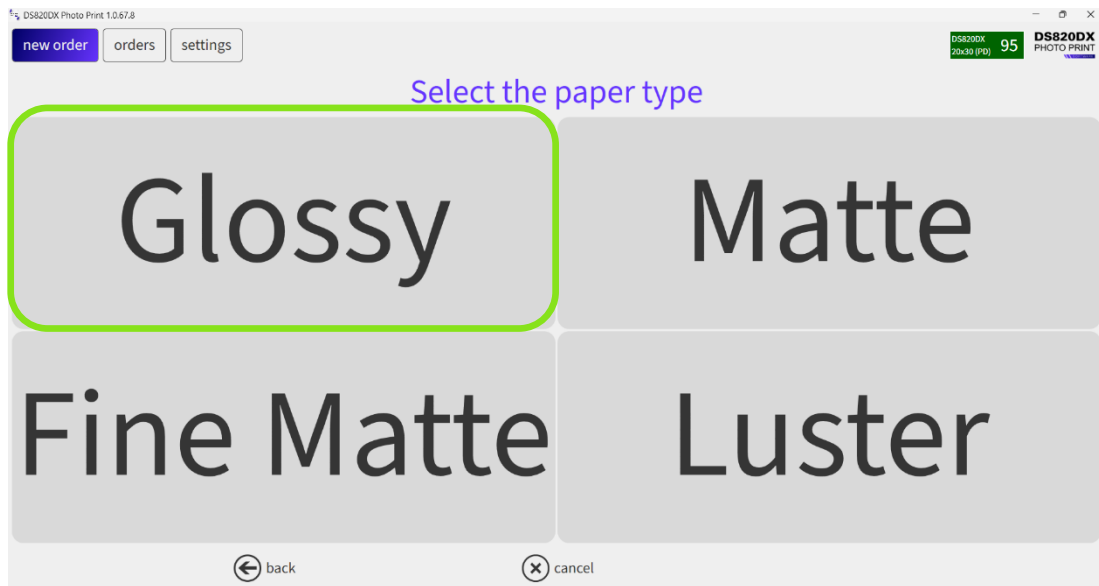
1) Select Calendars.



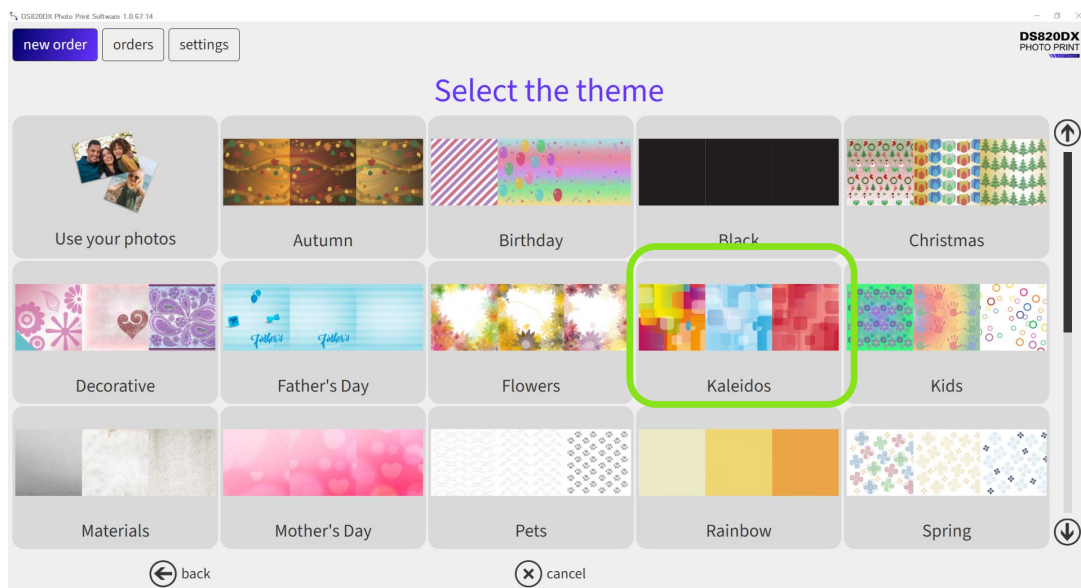
2) Select print size.



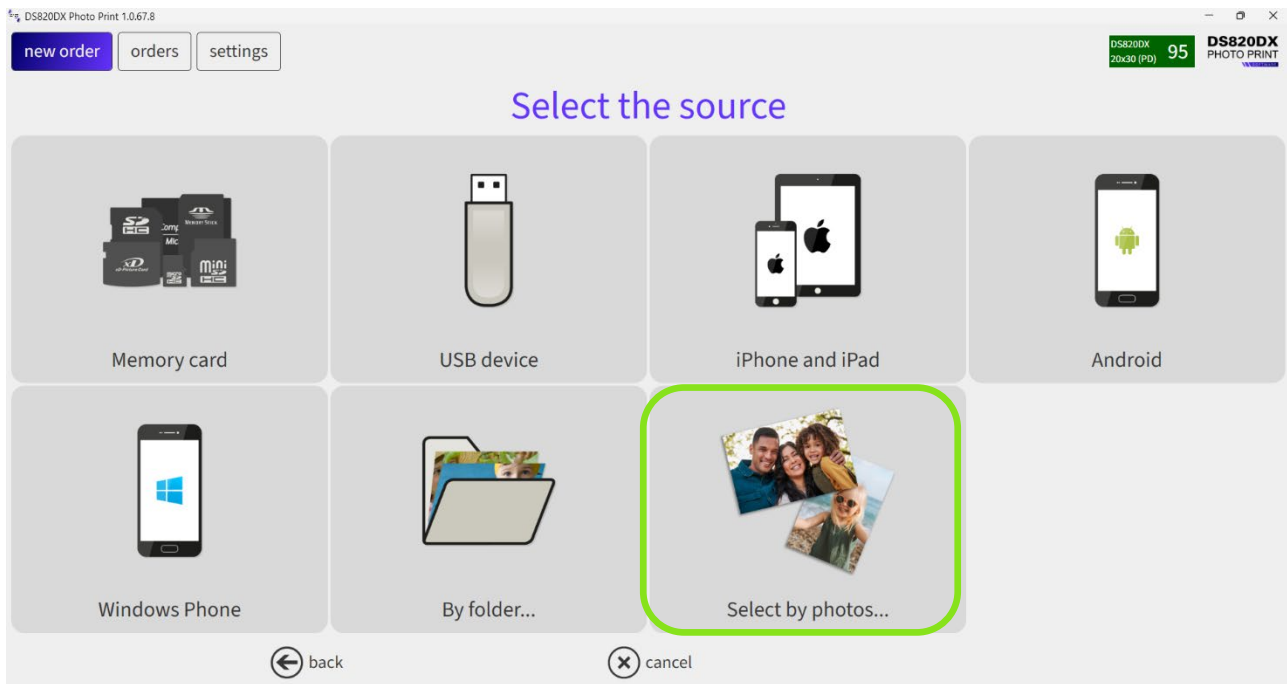
3) Select paper finish



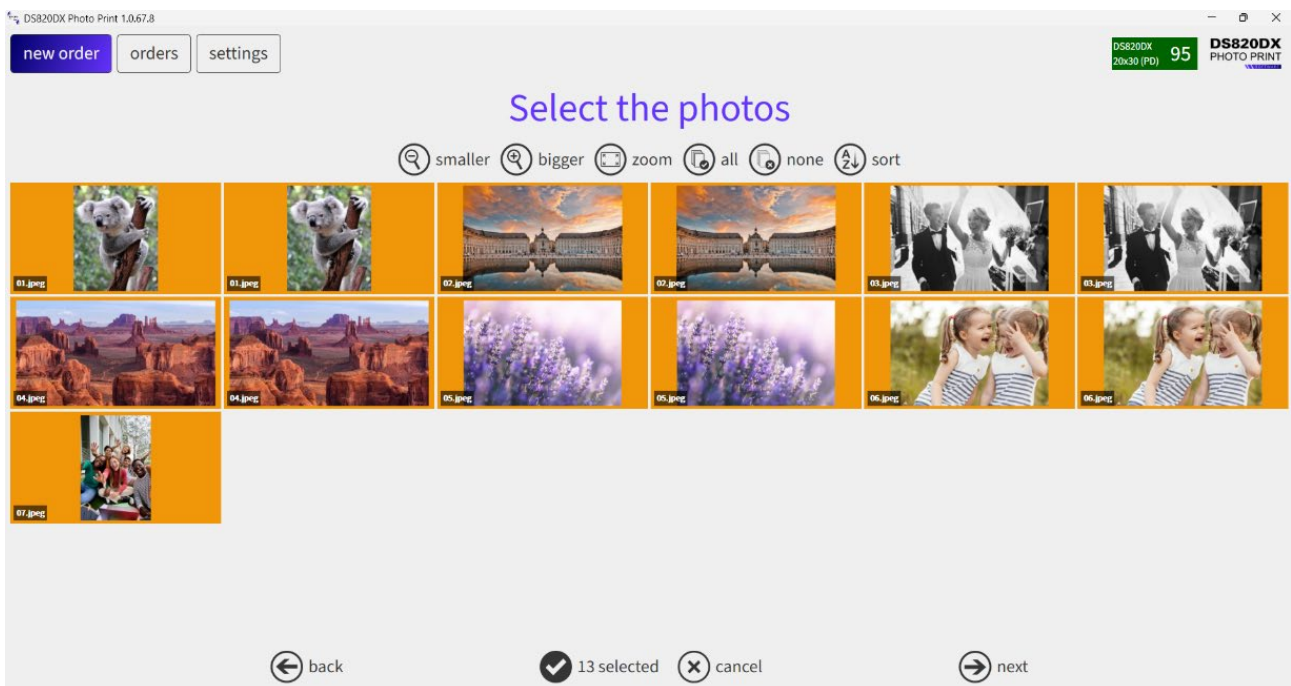
4) Select background theme.



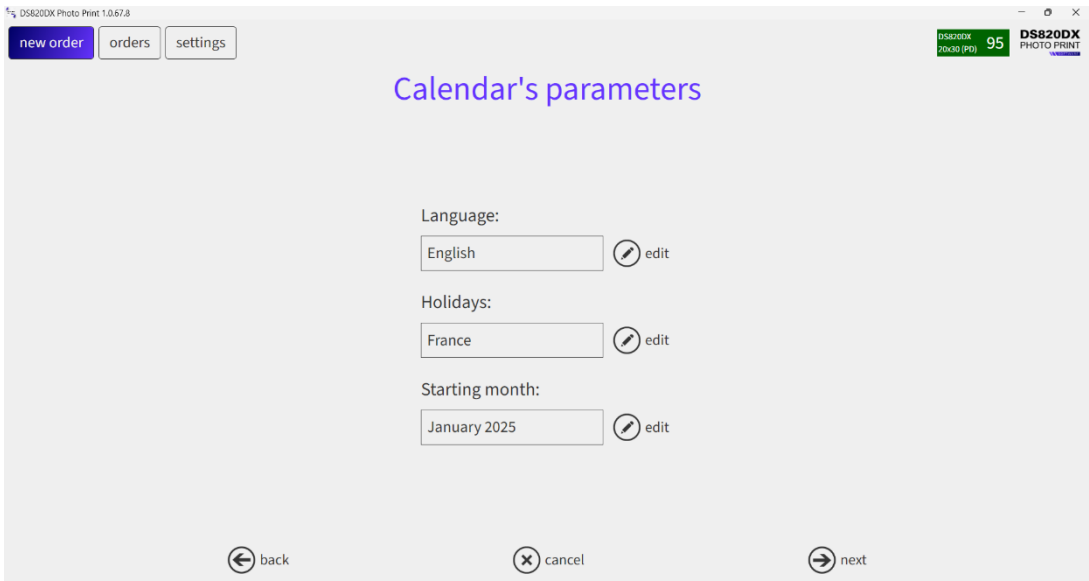
5) Select image source.



6) Select images.



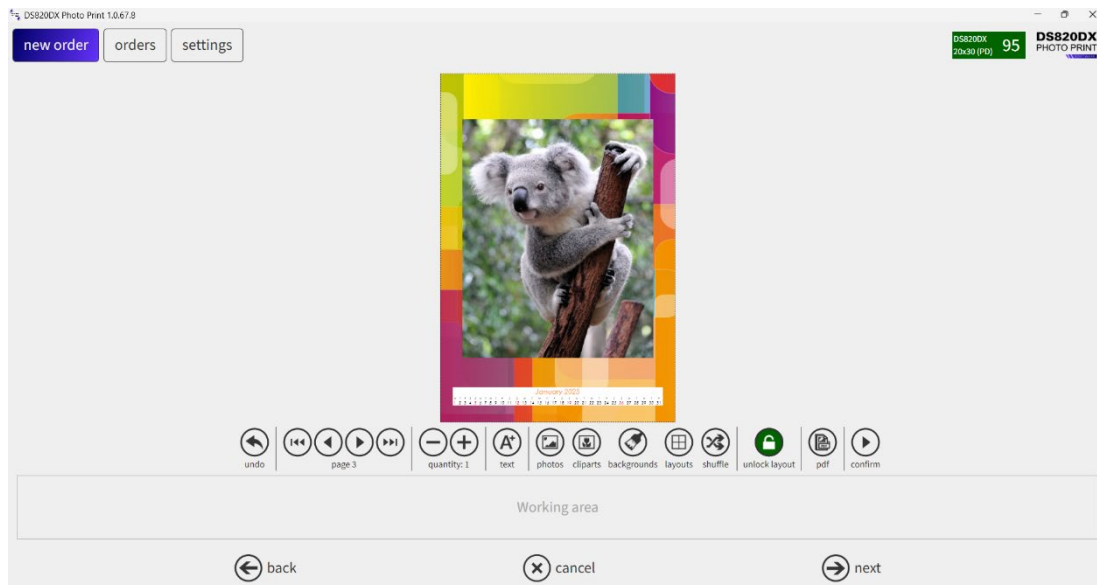
8) Select Calendar options: language, country (for national festivities) and starting month.



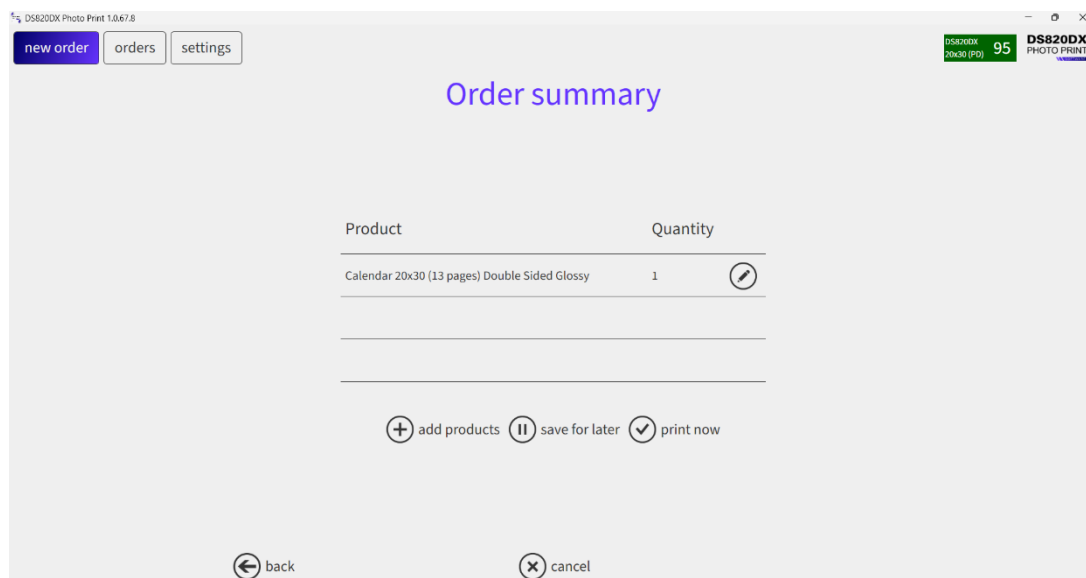
9) Select the calendar style.



10) Page preview and edit (see also Page Editing at [page number 41](#)).



11) Order Summary.



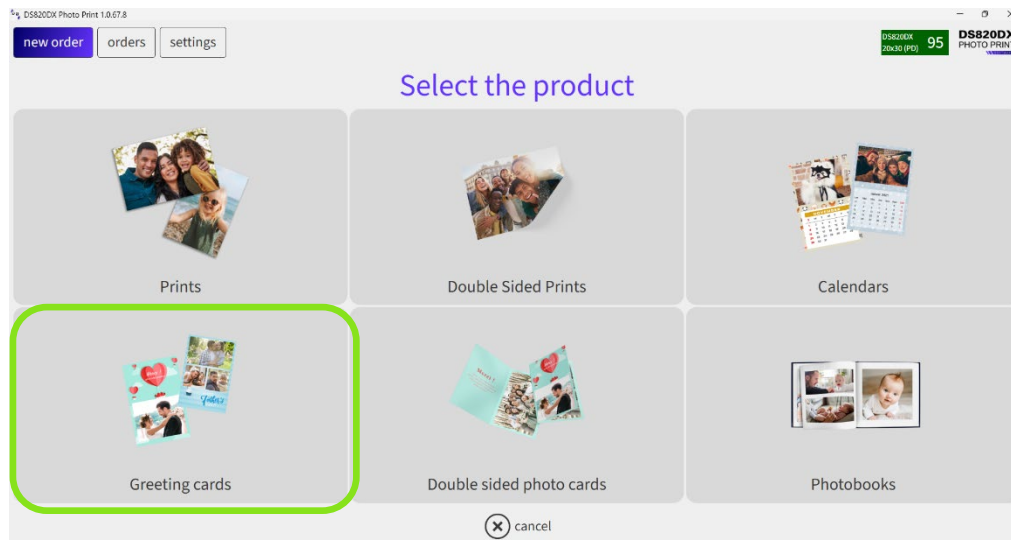
12) Press “print now” to finish the order.

 **13 Pages Calendar** needs a minimum of 13 Images to create and print this product.

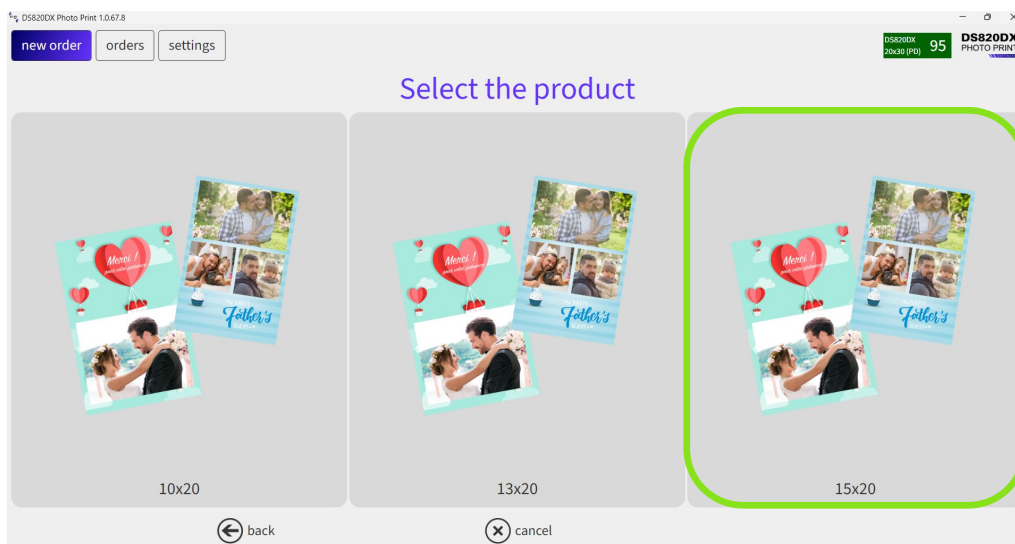
Greeting cards

This is the Workflow of creating and printing a Greeting Card.

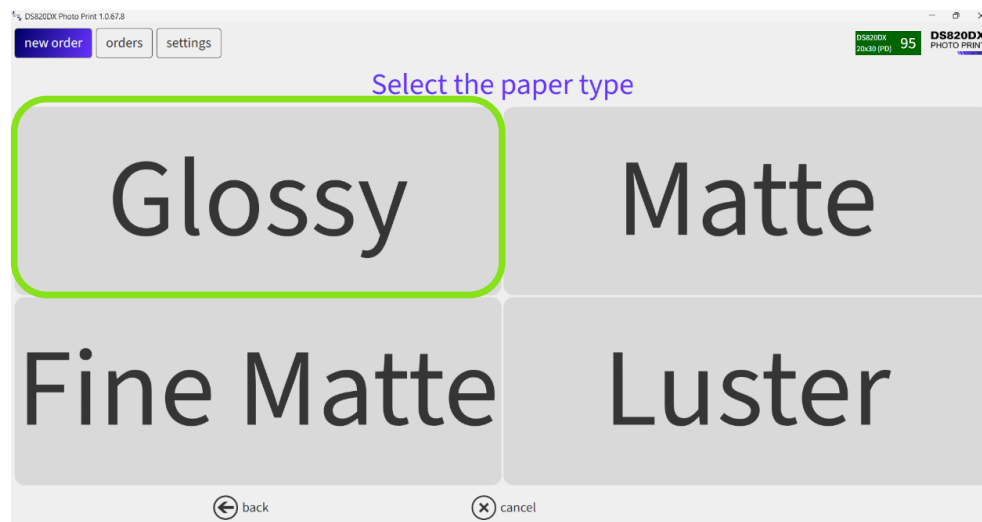
- 1) Select Greeting cards.



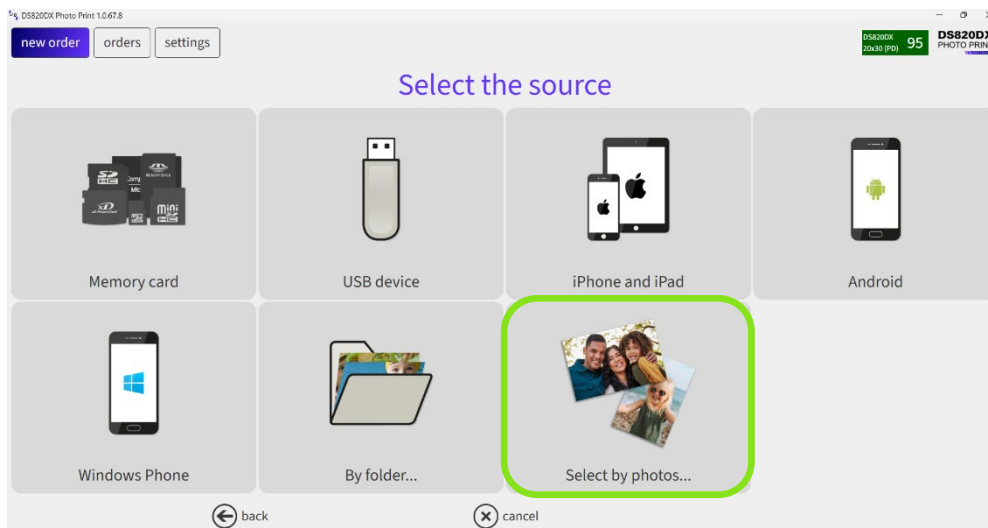
- 2) Select product



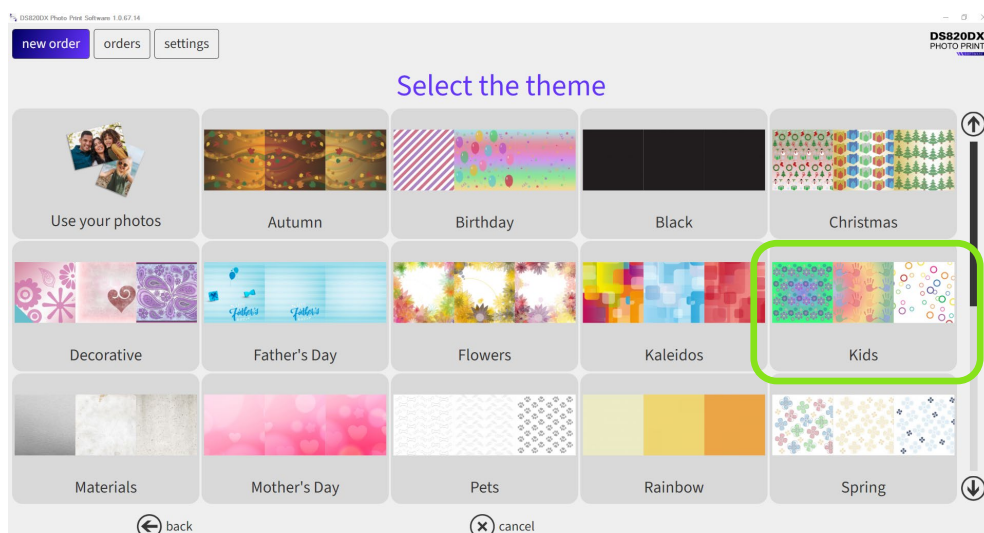
3) Select paper finish



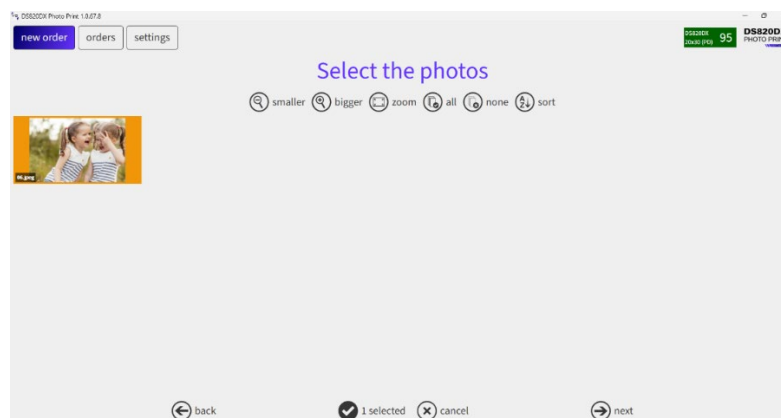
4) Select image source.



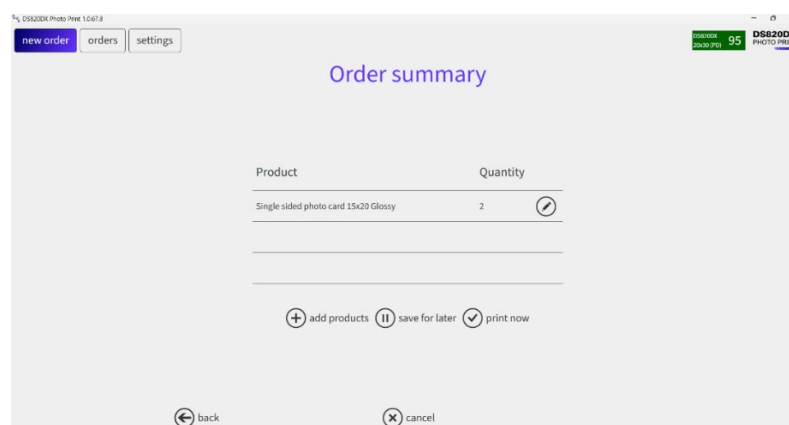
5) Select background theme.



6) Select images.

7) Page preview and edit (see Page Editing for explanation, **Page number 41**).

8) Order Summary.



9) Press "print now" to print the order.

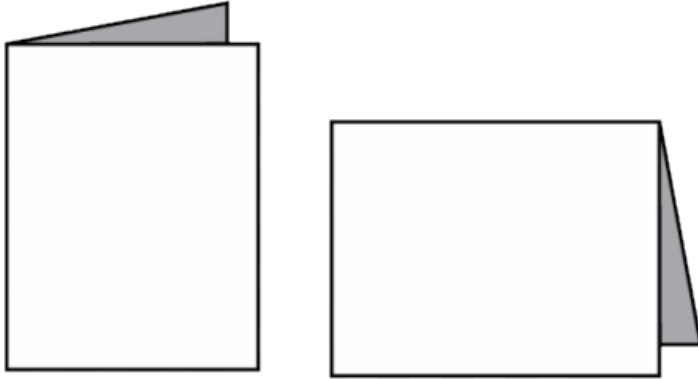
 Note:

 Quantity:

- Default quantity for 4x8"/10x20cm Greeting Cards is 3 for 8x12"/20x30cm Media
- Default quantity for 4x8"/10x20cm Greeting Cards is 2 for 8x10"/20x25cm Media
- Default quantity for 6x8"/15x20cm Greeting Cards is 2 for 8x12"/20x30cm Media
- Default quantity for 6x8"/15x20cm Greeting Cards is 1 for 8x10"/20x25cm Media

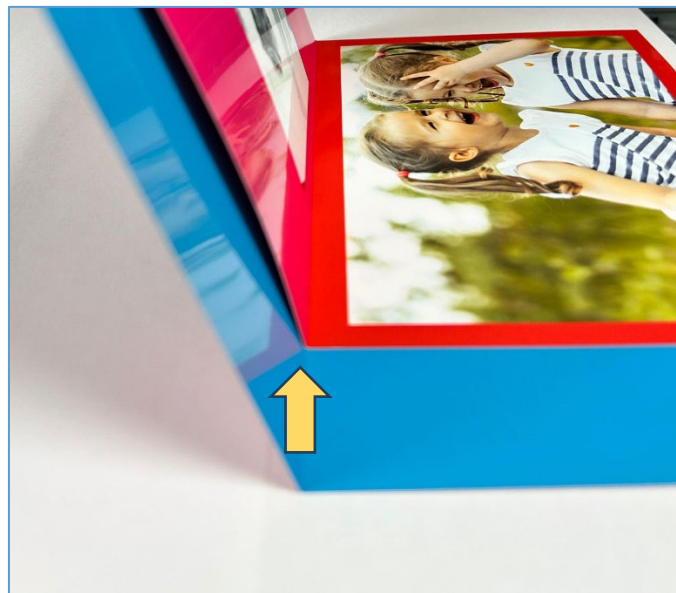
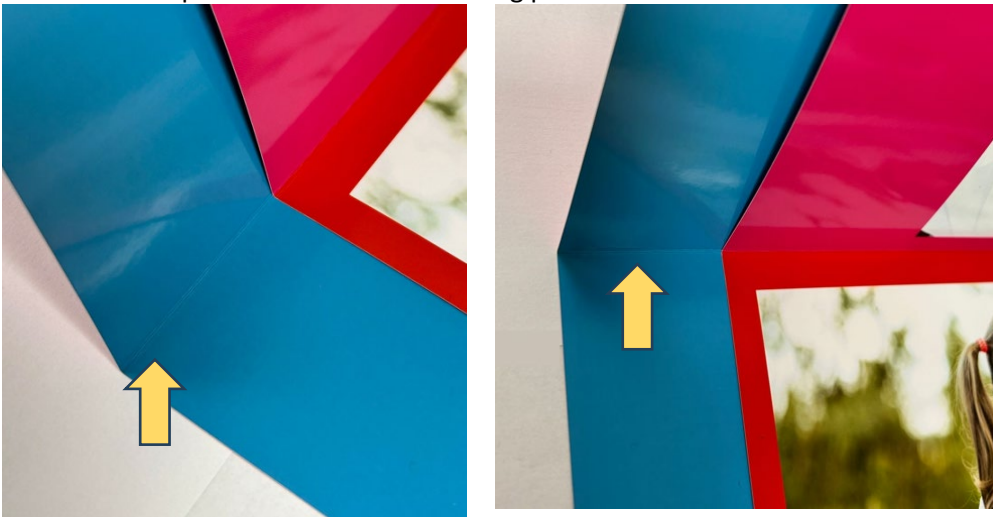
Double sided photo cards

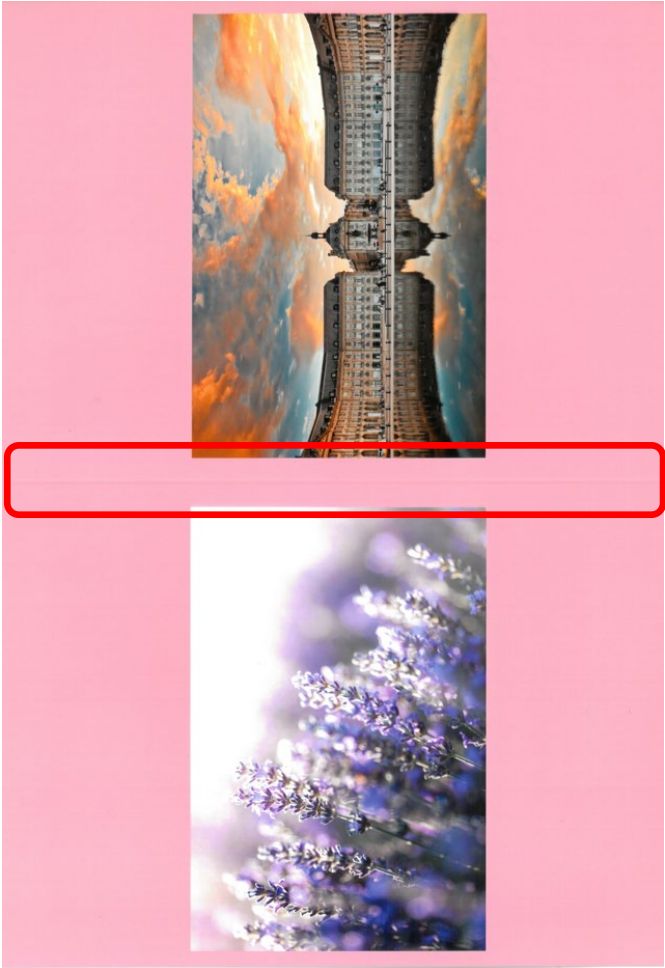
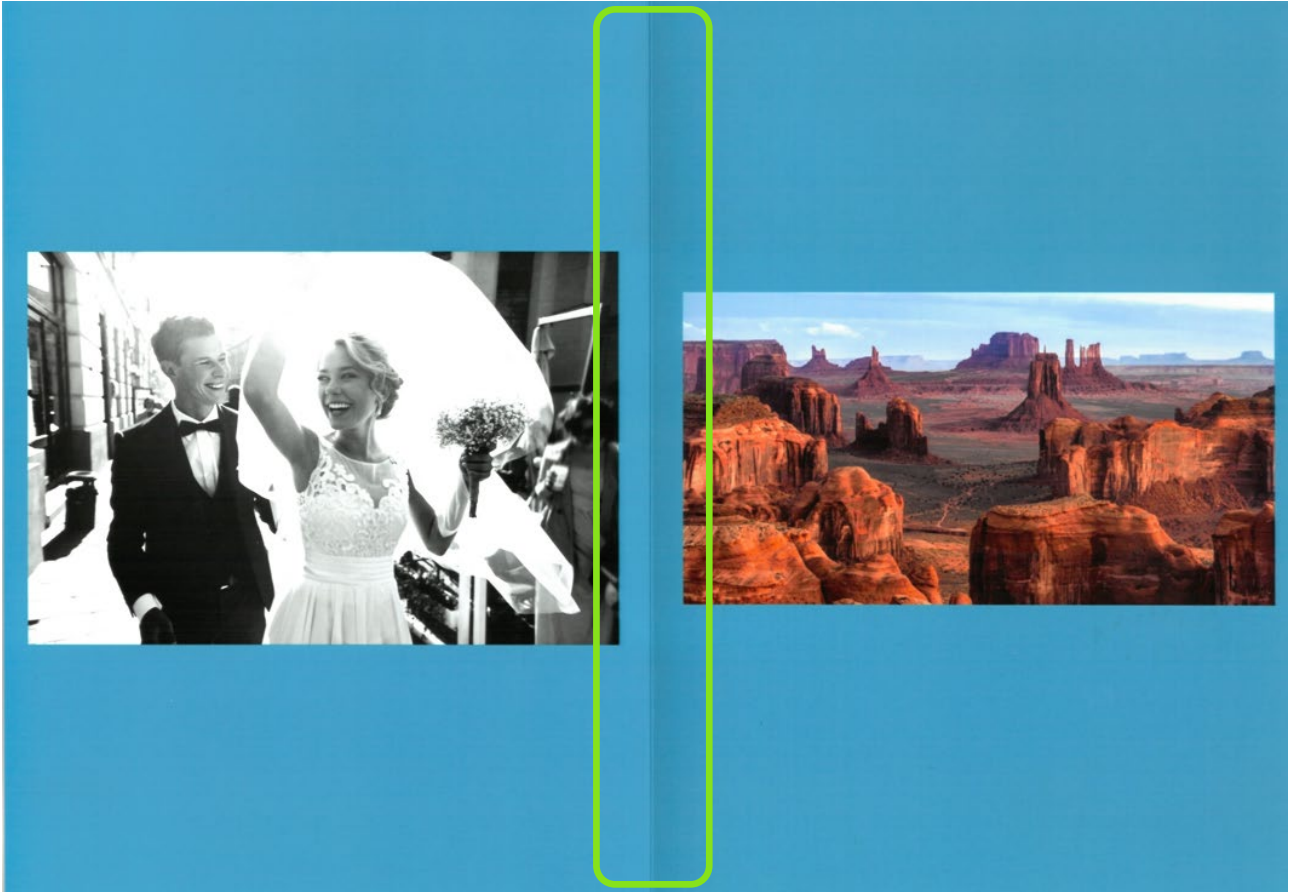
This is the Workflow of creating and printing a Double-Sided Greeting Card.

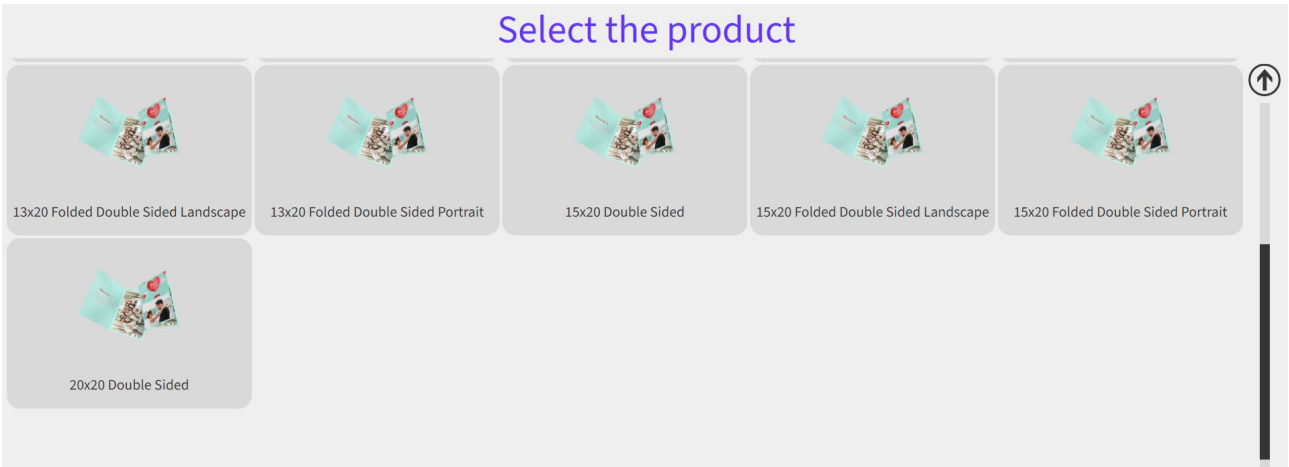
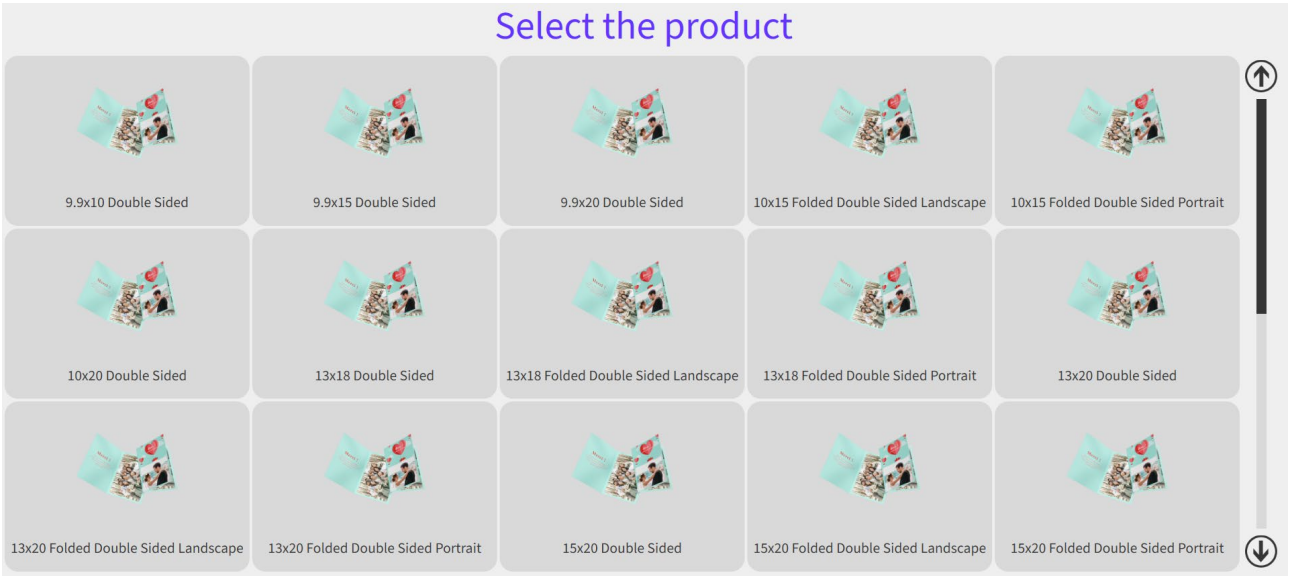
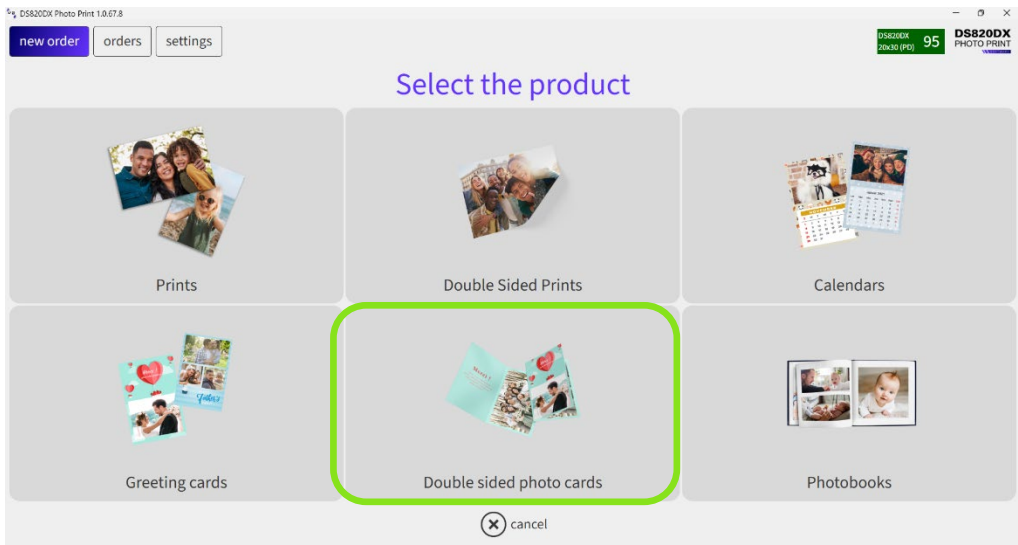


Half Fold is the current folding type supported in the software. The software directs the printer to make a transparent crease line for doing the half fold for the products mentioned with **Folded Double-Sided Landscape** & **Folded Double-Sided Portrait**.

Let's see some of the examples done with this following product.







- Double sided photo cards workflow is same as Greeting cards workflow
 - Select Double sided photo cards
 - Select one of the products, for example 15x20cm Folded Double Sided Landscape
 - Select the paper type
 - Select the theme
 - Select the image source
 - Select the images
 - See the preview & edit if necessary
 - Confirm or go to next
 - Order summary
 - Print now or save for later

**Note:**

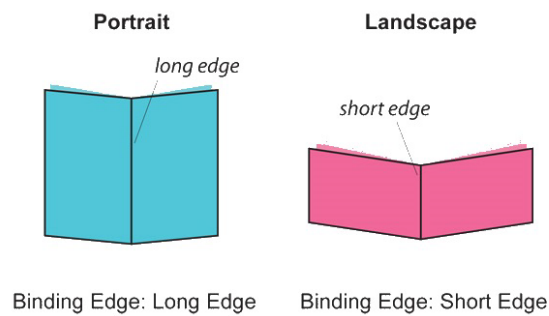
- **Quantity:** *If* the printer is not connected while making the Greeting card product, by default the software set to Quantity 1 to any format in this product line items.
-

Photobook

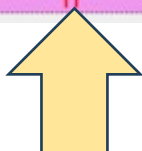
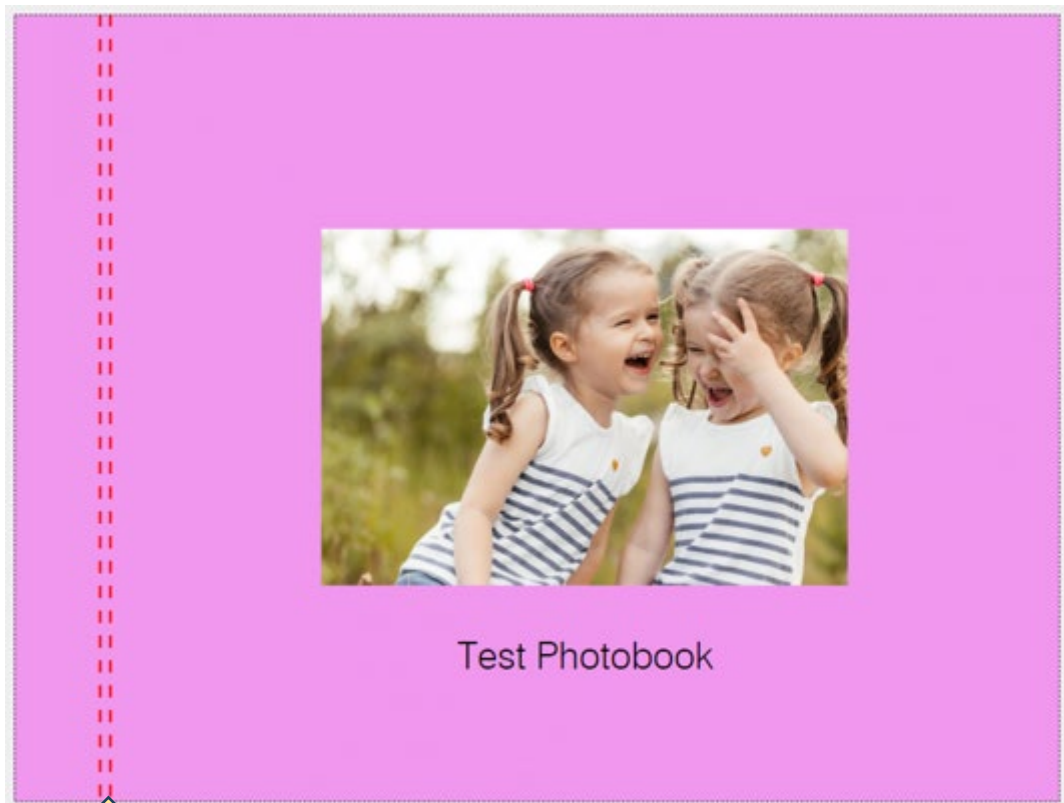
This is the Workflow of creating and printing a Photobook.

The binding of the Photobook varies and depends upon the binding type of the manufacturers. Please check with your provider or distributor for details about the binding, below just an example based on Unbind Leather album book type.

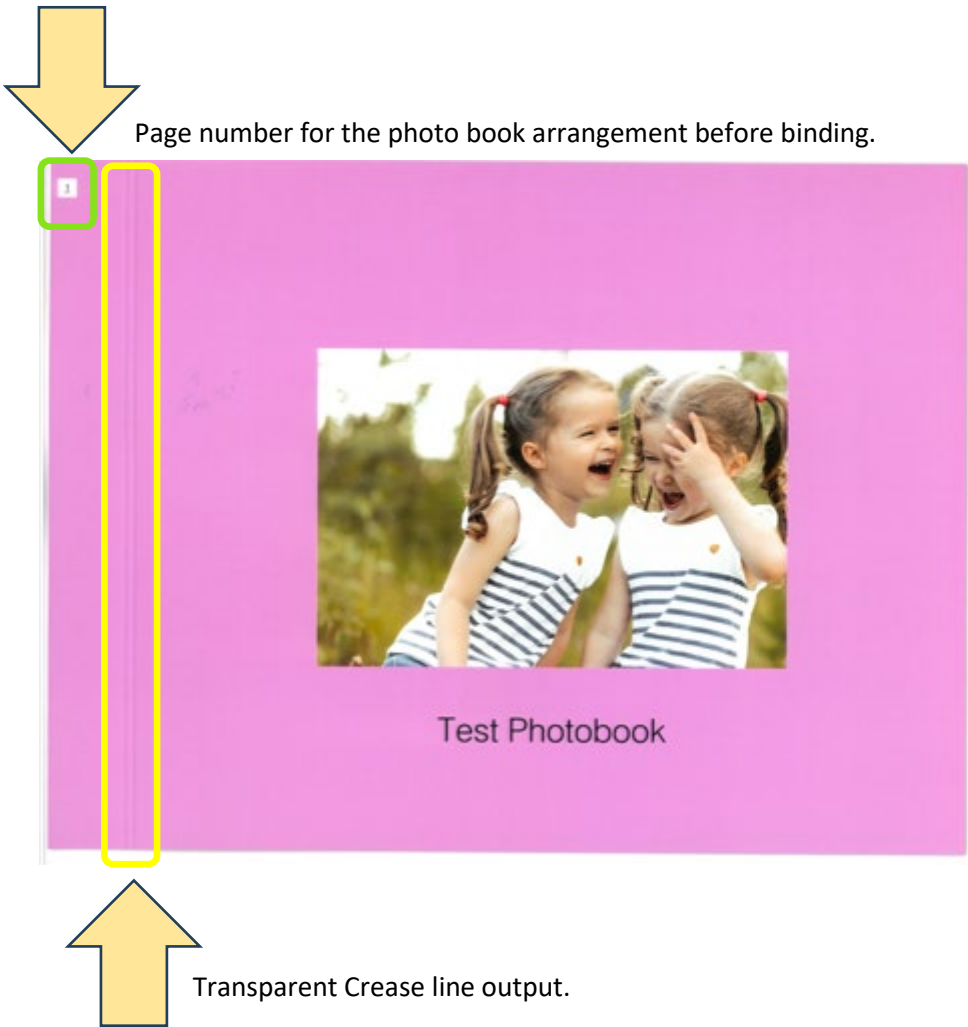
- Landscape images are folded along short edge. Portrait images are folded along long edge.
- Long edge will mean that you turn from one page to the next along the long edge of the paper, much like an A4 magazine or brochure.



- Short edge would mean that you turn the page from the short edge of the paper, much like that of a notepad.
- By default, software applies page numbering and crease line for better binding and pages arrangement.
 - Page numbering can be set Yes/No from the product settings (refer settings/products)
- By default, software places the image(s) after crease lines.

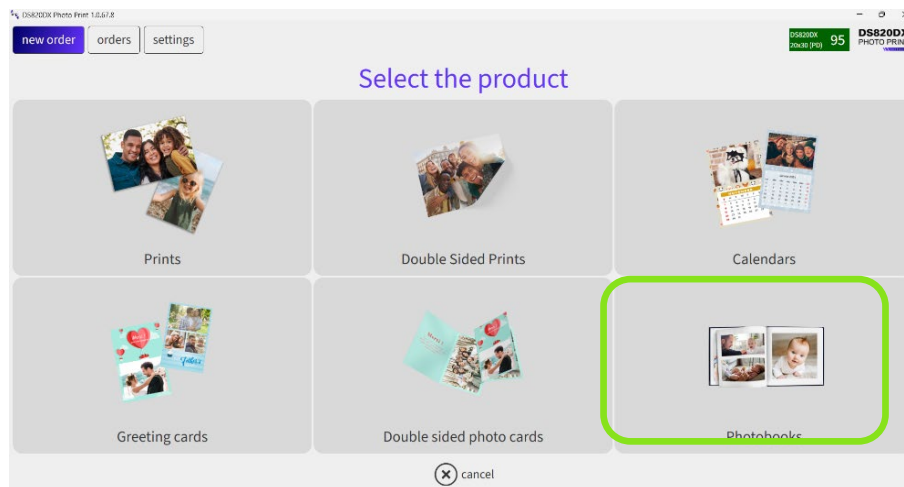


These crease lines for visual purpose drawn by the software, these lines does not get printed in the output.

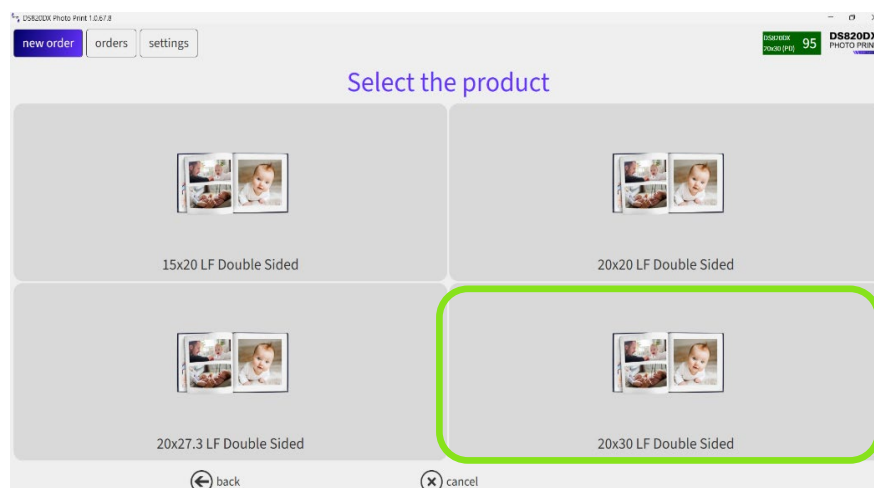


Let's begin with the workflow:

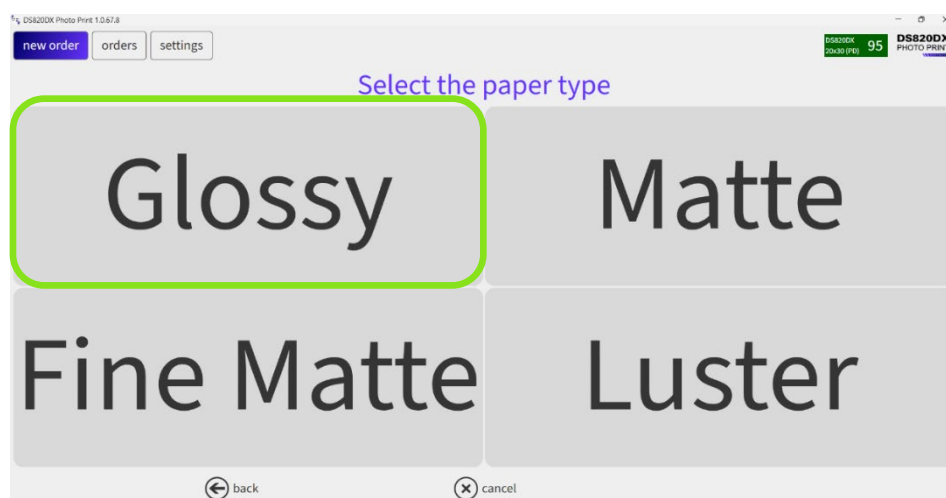
1) Select Photobooks.



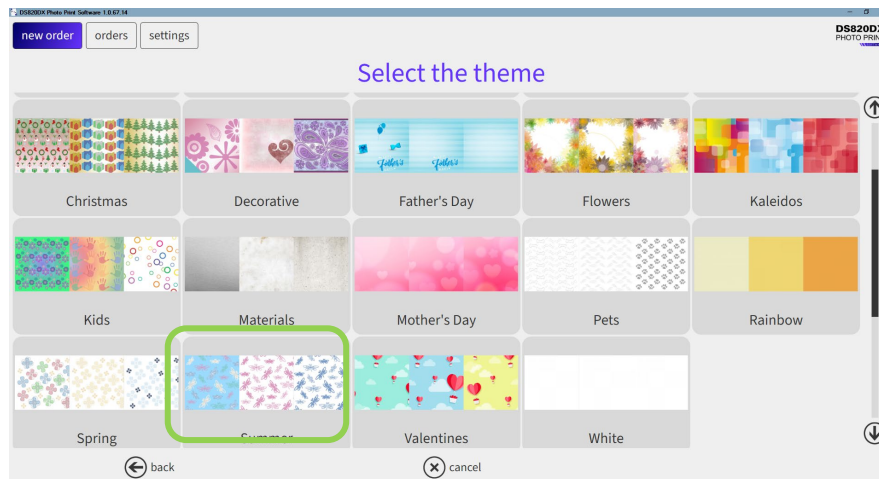
2) Select print size and mode.



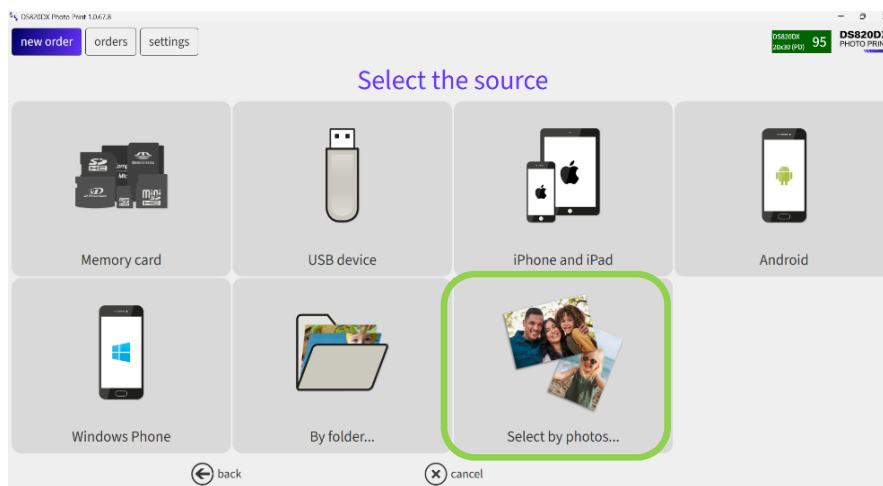
3) Select paper finish.



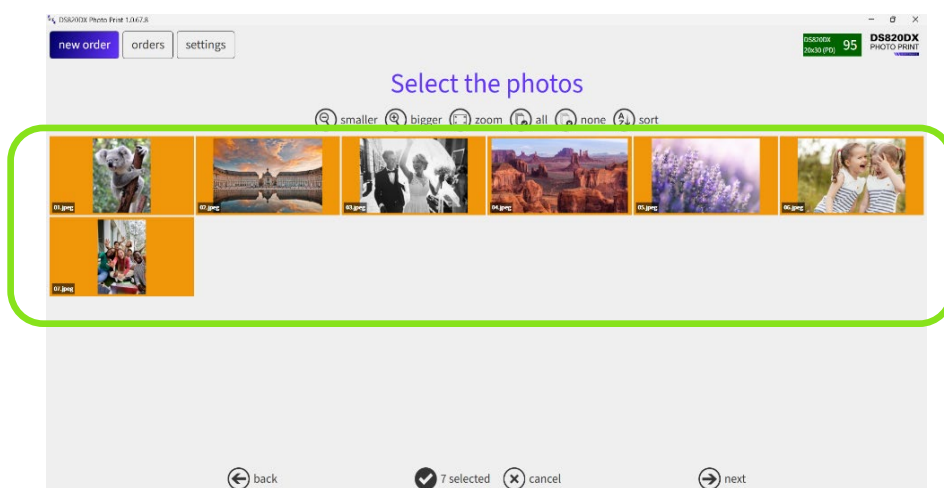
4) Select background theme.



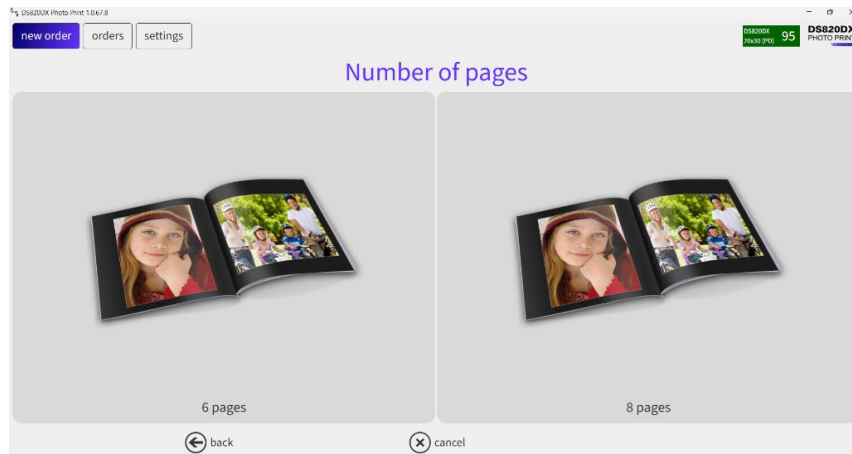
5) Select the input source of images.



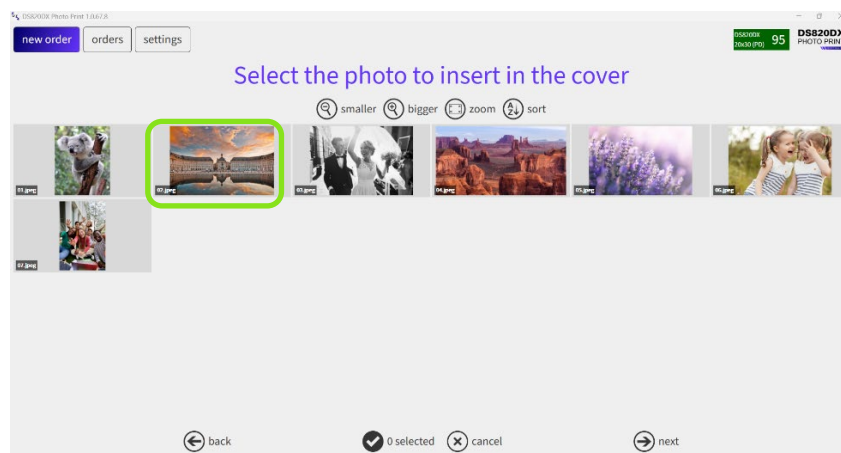
6) Select images.



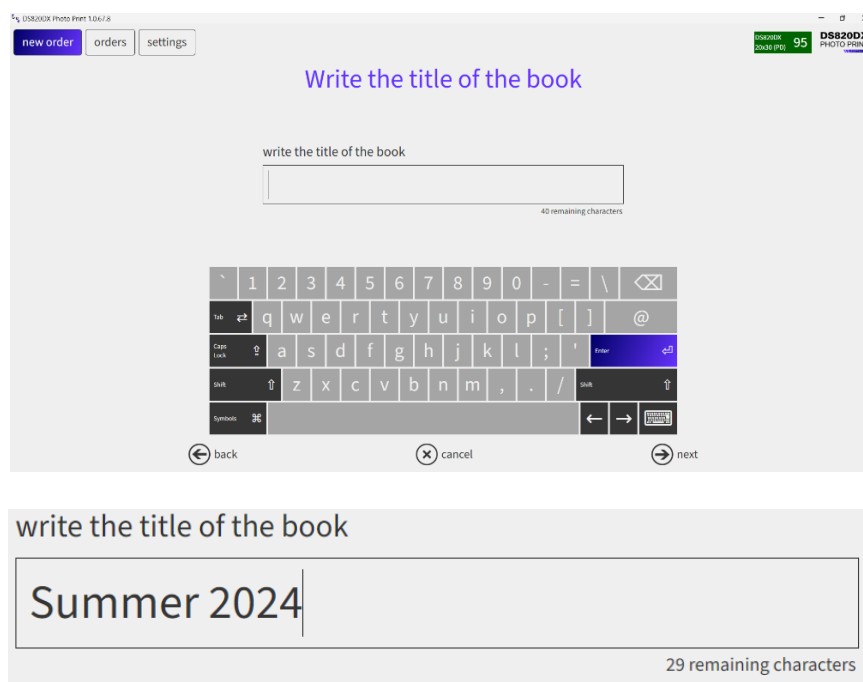
7) Select number of pages.



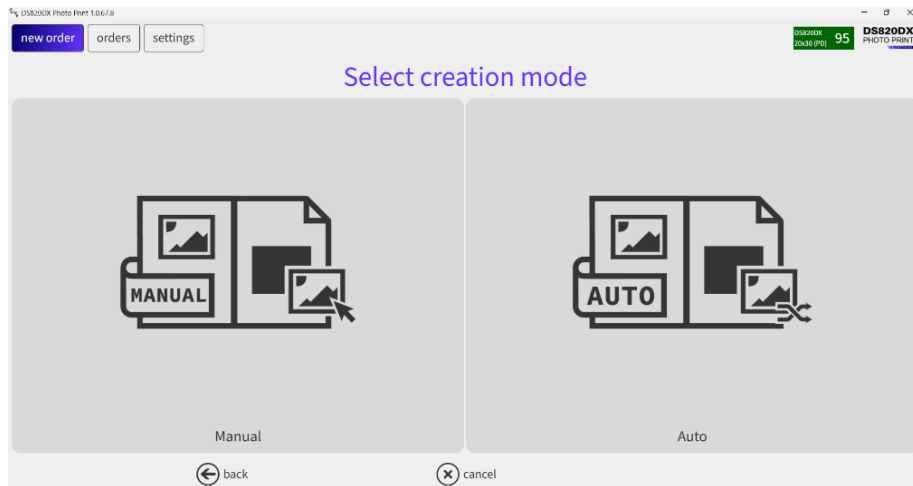
8) Select image for the cover.



9) Input Book title.

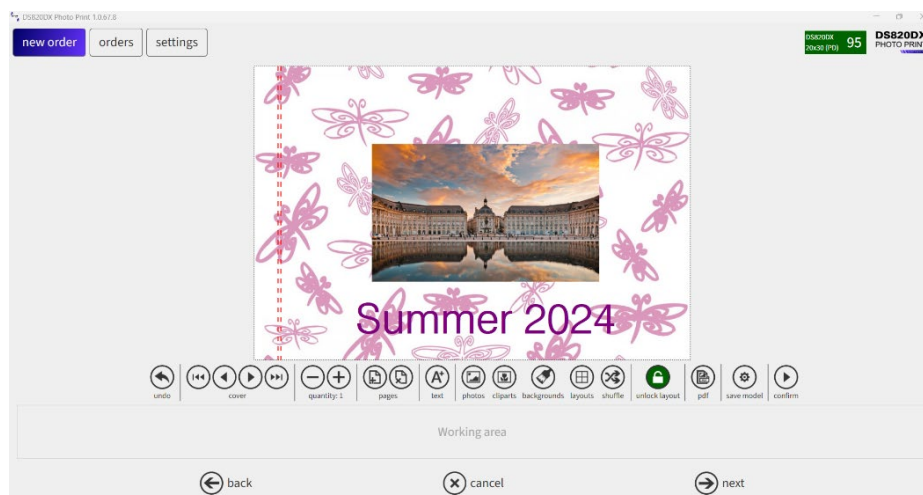


10) Select creation mode.

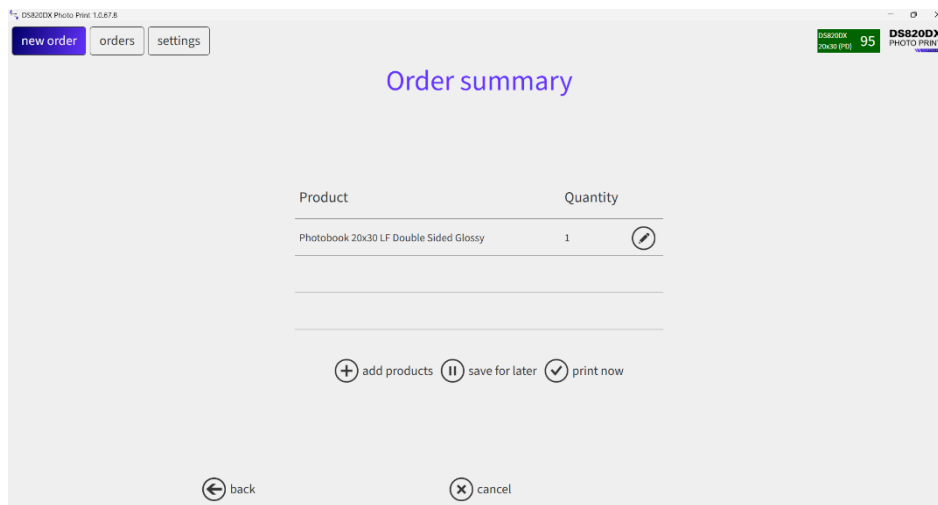


Manual: image should be placed on each page manually by the creator

Auto: image(s) placed automatically by the software based on the number of image(s) per page

11) Page preview and edit (see Page Editing for explanation, **Page number 41**).

12) Order Summary.



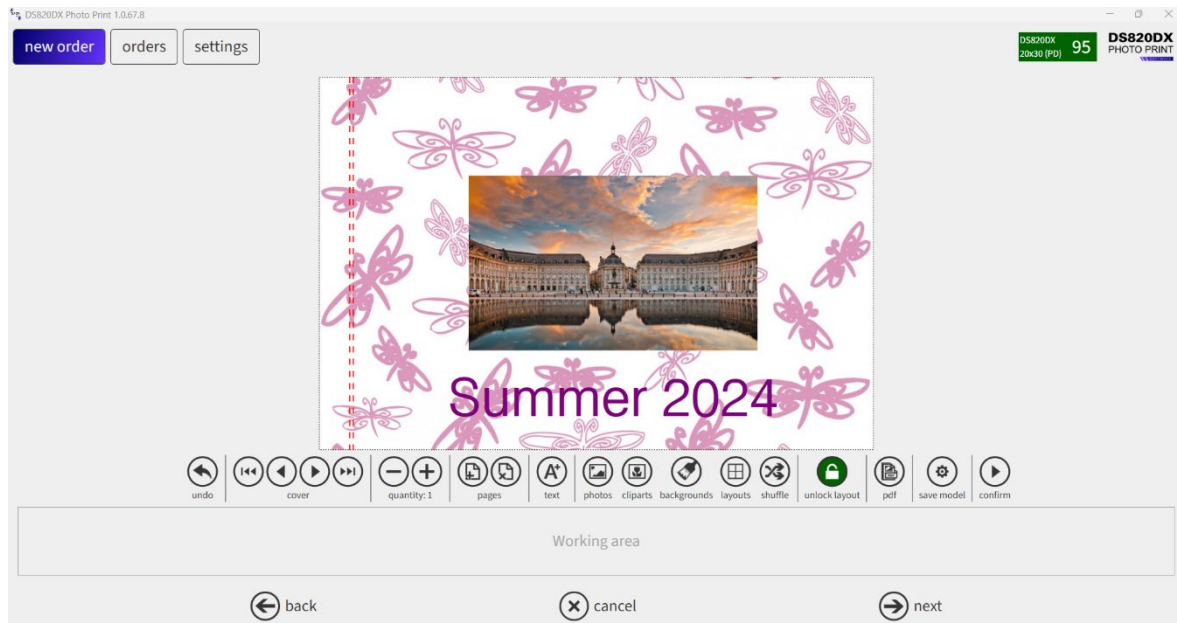
13) To print, click on “print now” button control.

**Note:**

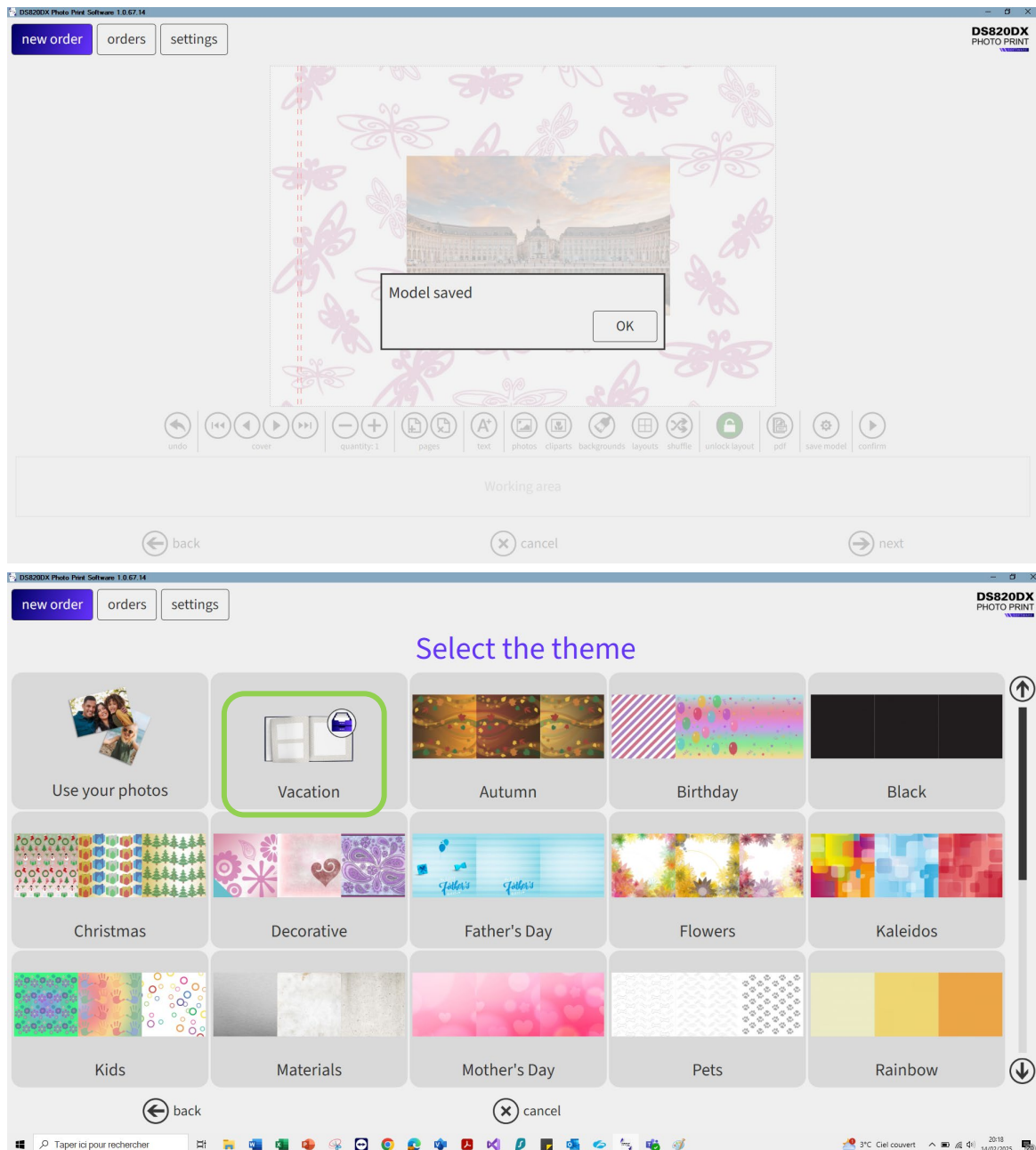
- If the printer is disconnected after a certain usage & try to make a new product, the software displays the following message: **"This product is not available. Please check the status of the connected printers...."**

Page editing

Page commands



1. **Undo:** go back step by step on history of editing commands
2. **Navigation buttons:** To go to first page, back and forth one page, go to last page.
3. **Quantity:** To Increase and decrease quantity of the product. The step can be changed going into settings / products.
4. **Pages:** To add one page and to remove one page.
5. **Text:** To insert text. Text and Images can be inserted also with drag and drop from working area.
Photos: To open image selection window. Select an image or load more images. Drag and drop image to a position on the page. The new image will replace the previous image. The previous image will go to the working area.
Clipart: To open the clipart selection window. Select a clipart and click OK button.
Background: To open 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.
Layout: to select a new layout for the page
Shuffle: To change automatically the layout of current page.
6. **Unlock layout:** toggles layout mode locked / unlocked. When unlocked it is possible to manually change the layout.
7. **PDF:** export the product to a PDF file. DS820DX Photo Print logo watermark is added to the pages.
8. **Save model:** saves the arrangement of the photobook (layouts, backgrounds and clipart's) with a name. The new model is available within the themes for following orders of same book type for example 20x30 size of the order.
 - a. A message appears, for confirmation of saved model.



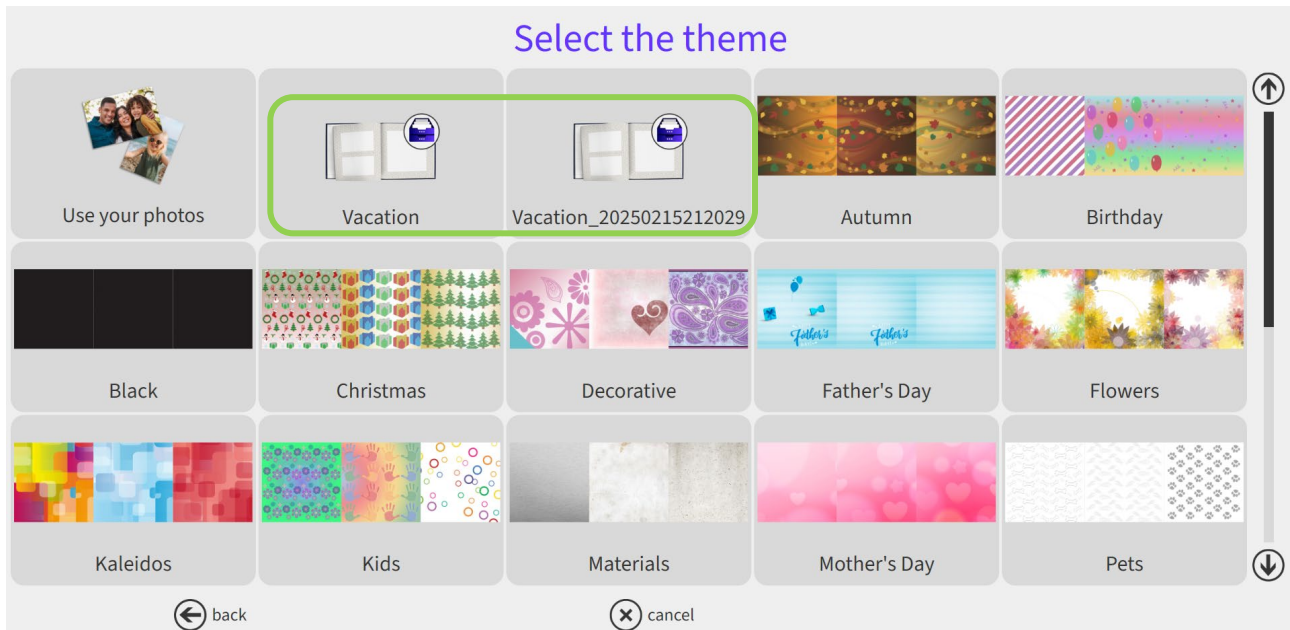
This is an example of presentation of new model “Vacation”:

Attention: Each saved model for a product line item saved under its own product, for example during the order making of a photobook 20x30 LF Double Sided, if the ‘Save model’ button got clicked then the model is saved under the product, settings, general/products/photo book/20x30 LF Double sided/(edit)/models. **Refer page number: 52** ‘models’ for more information.

The same name is used for the model, the software will keep the name along with **DateTimeStamp**.

➤ See below screenshot, **refer page number:43**

9. **Confirm and Next:** To exit from page editing and proceed to order summary page.



i To Add ClipArts:

- Select the button control 'Clip Arts'
- Select the file
- Click OK button and the clipart will show over the page

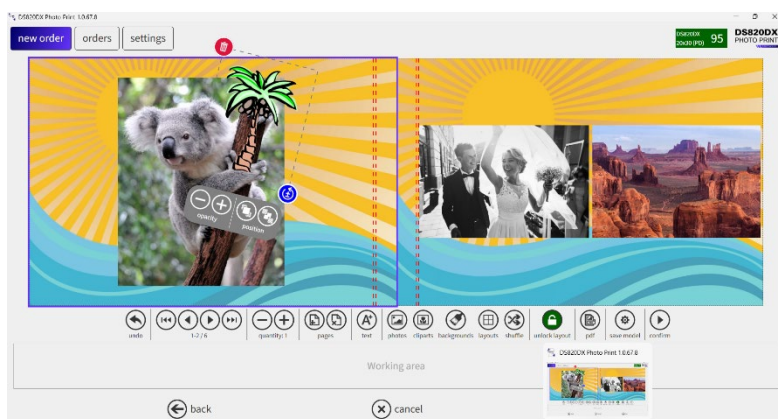
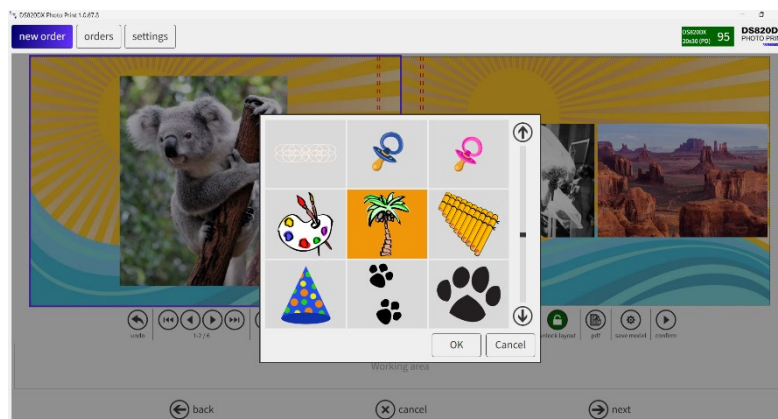
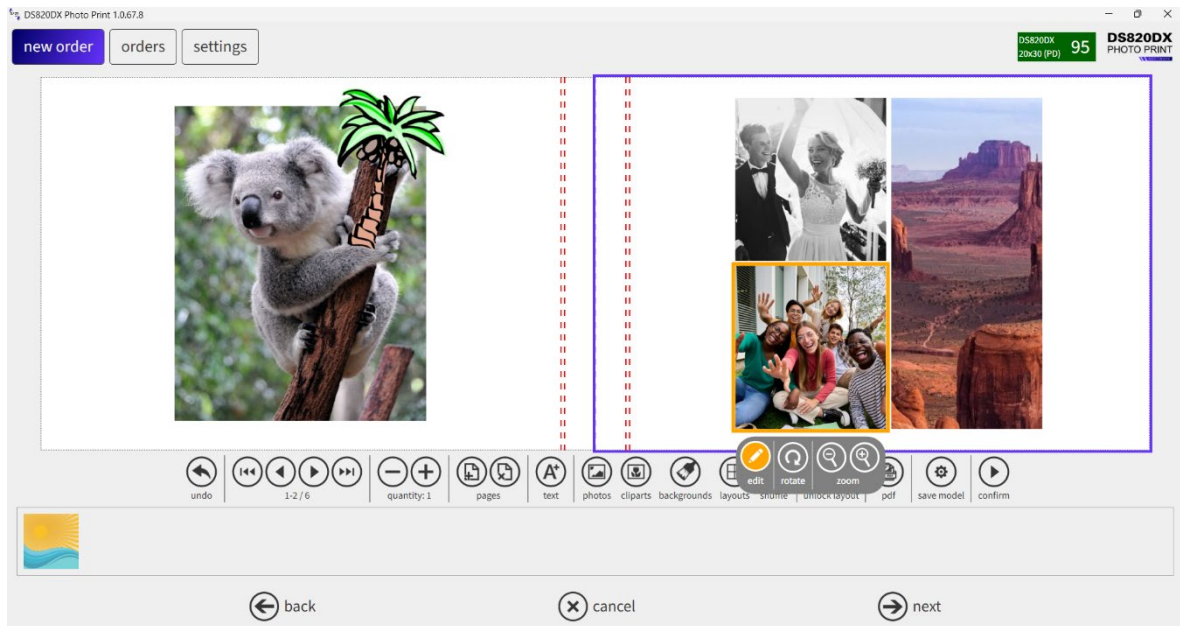


Image editing

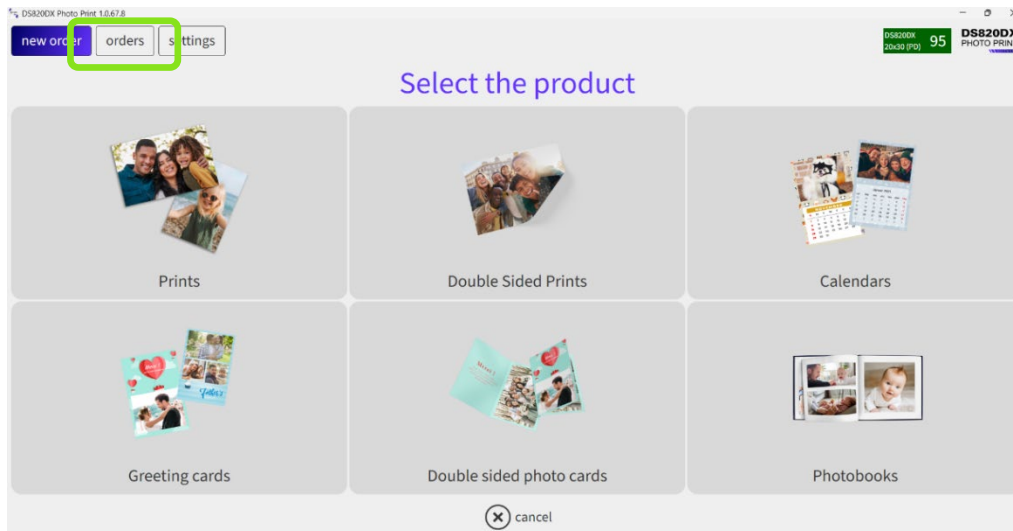


1. **Rotate button:** To rotate the image inside the box. Step 90°
2. **Zoom:** To enlarge and to reduce image. Change position of image within the layout box
3. **Edit:** To open image into image editing window with cropping and color adjustments possible.
 - a. **Refer page number: 12**, for editing an image.

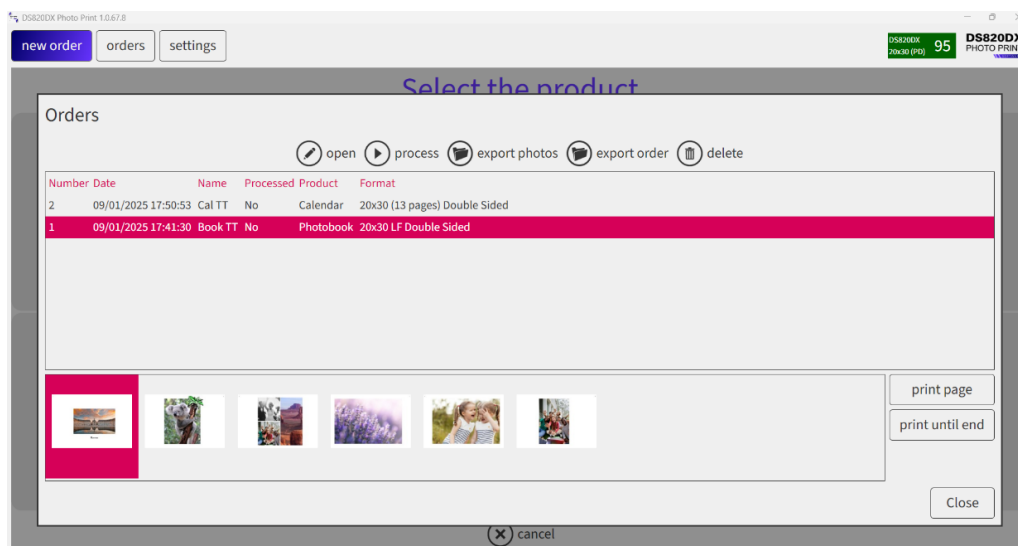
Orders (Order History)

Start from the top screen (product selection screen).

- Click on orders button



It will open orders page:



- Open:** it will open the product for further editing
- Process:** it will process again the selected order. A copy of the order will be created
- Export photos:** it will export all images used into selected order to a specified folder
- Export order:** it will export order images into a specified folder
- Delete:** it will delete selected order
- Print page:** it will print only selected page
- Print until end:** print all pages from selected page to last page

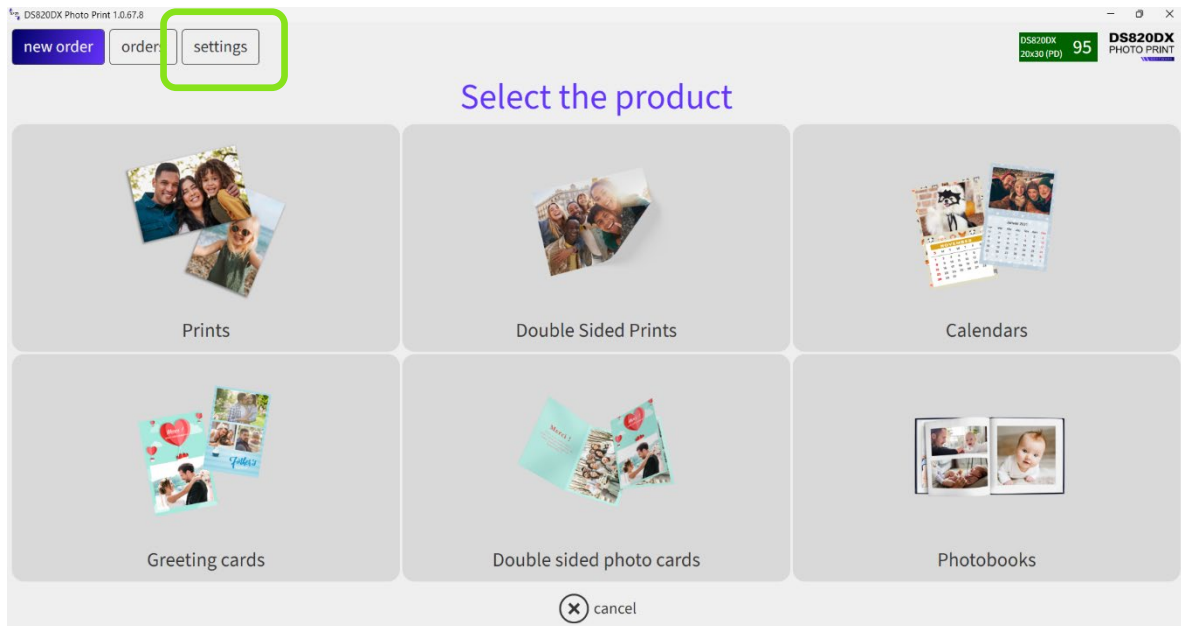
⚠ Attention:

- **Quantity:** If the printer is not connected while making the Greeting card product, by default the software set to Quantity 1 to any format of this product.
 - Make sure to adjust quantity before printing the order from order screen.

Settings – General



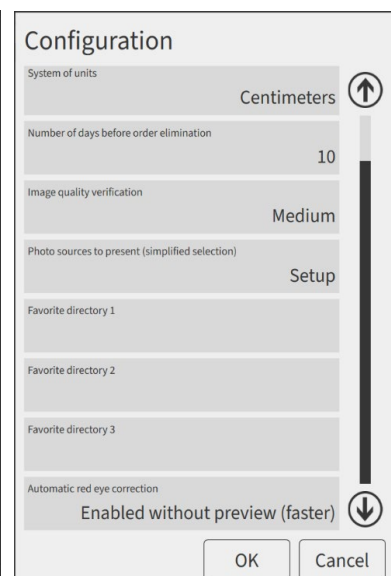
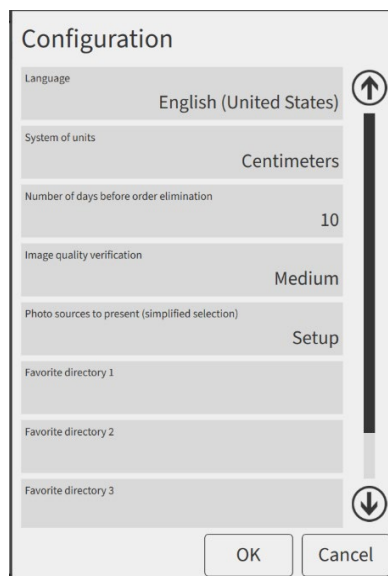
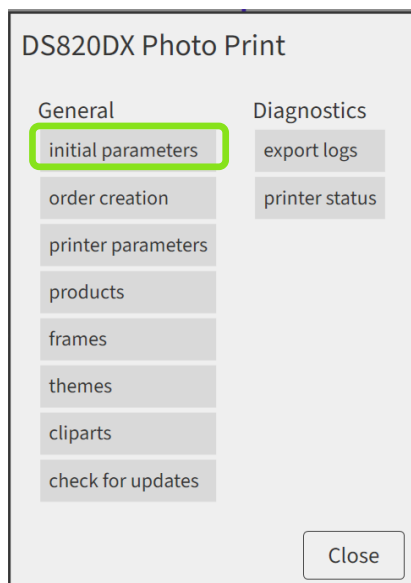
Warning: To apply correction and modification, software restart is necessary.



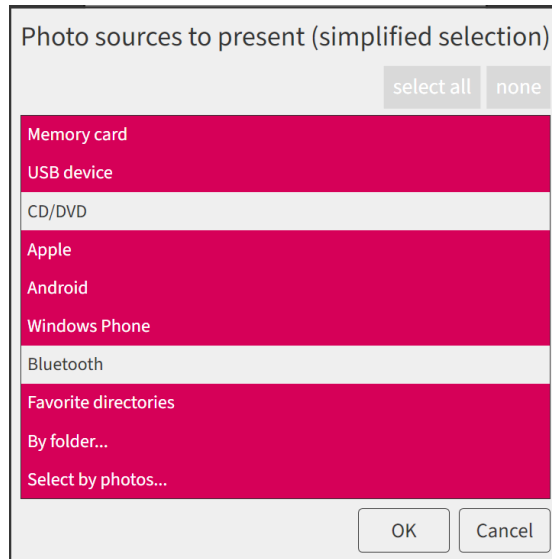
- Click on **settings** button

Initial parameters

Choose “Settings” > “Initial parameters”.



- **Language:** select language to be used for user workflow.
- **System of units:** select centimetres or inches.
- **Number of days before order elimination:** set number of days orders will be available before being deleted. But any pending/unprinted orders will not be deleted.
- **Image quality verification:** it specifies level of image resolution below which a warning for low quality is displayed. If set to “High” the warning will appear if image resolution is less than 300 DPI, if set to “Medium” warning is displayed when resolution is less than 240 DPI, if set to “Low” warning is displayed when resolution is less than 120 DPI.
- **Photo sources to present** it will open a window to select the photo sources available on new order workflow



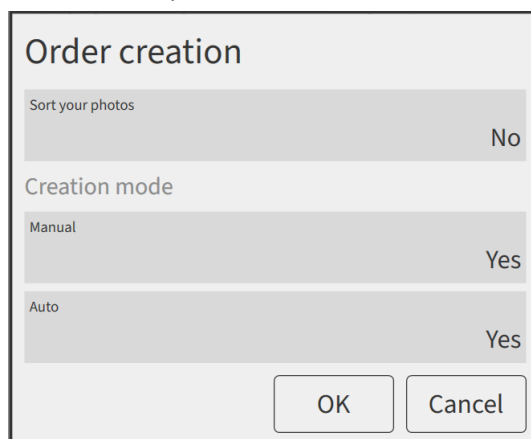
- **Favourite directory 1-3:** it is possible to setup up to 3 directories from which users can load images clicking on a button on image loading screen.
- **Automatic red-eye correction:** if set to “Enabled with preview” it will apply Red-eye correction to all images after image loading, before image preview.

Order creation

Choose “Settings” > “Order creation”.

It will open a new window:

- **Sort your photos:** set yes to have the screen with sorting photos feature on new order workflow.
- **Creation mode:** set yes/no to offer photobook created manually or automatically. If both are set to “No” then automatic composition of the book is enabled.



Order creation

Sort your photos

No

Creation mode

Manual

Yes

Auto

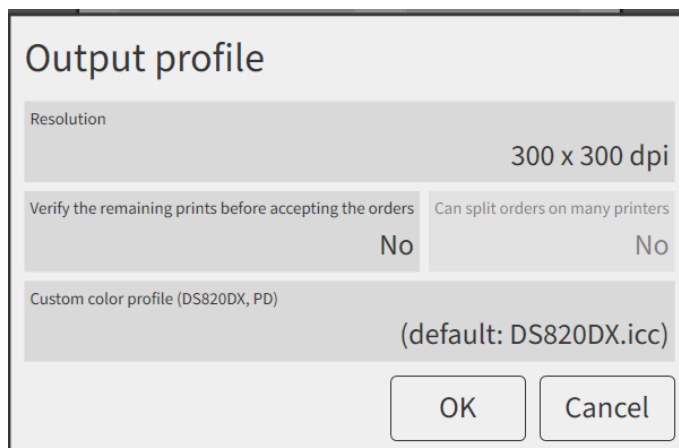
Yes

OK Cancel

Printer parameters

Choose “Settings” > “Printer parameters”.

It will open a new window:



Output profile

Resolution

300 x 300 dpi

Verify the remaining prints before accepting the orders

No

Can split orders on many printers

No

Custom color profile (DS820DX, PD)

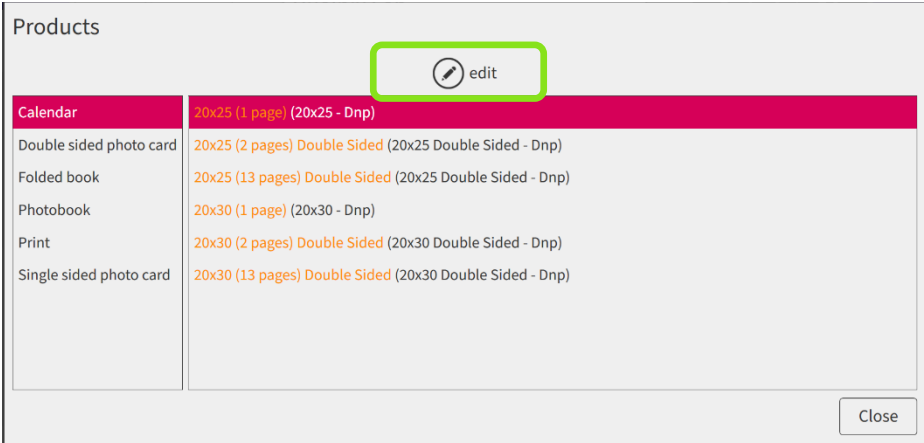
(default: DS820DX.icc)

OK Cancel

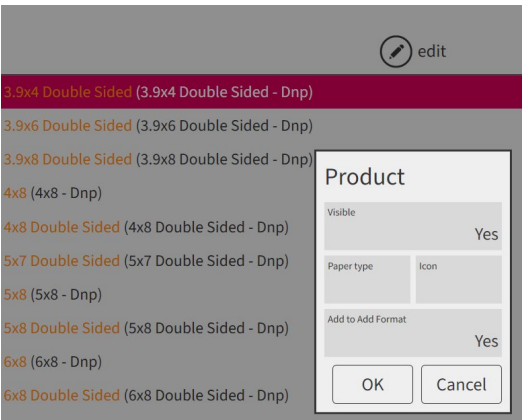
- **Resolution:** set normal quality 300x300 DPI or high quality 300x600 DPI
- **Verify the remaining prints before accepting the orders:** set to “Yes” it will accept only orders within the available media loaded into the printer, set to “No” it will accept all orders and eventually an end of media error will occur with need of loading new media to finish printing the order.
- **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 6x8 with two DS820DX connected and 8x12 media loaded will be split 10 images per printer). The option is set to ‘No’ by default & its grayed out, its not possible to change the default settings.
- **Custom color profile:** it specifies a color profile to be used by DS820DX printer. If no profile is set then default profile is used.

Products

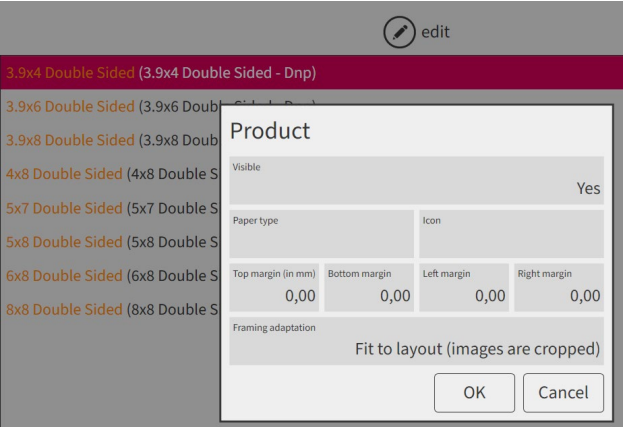
Choose “Settings” > “Products” > “edit”



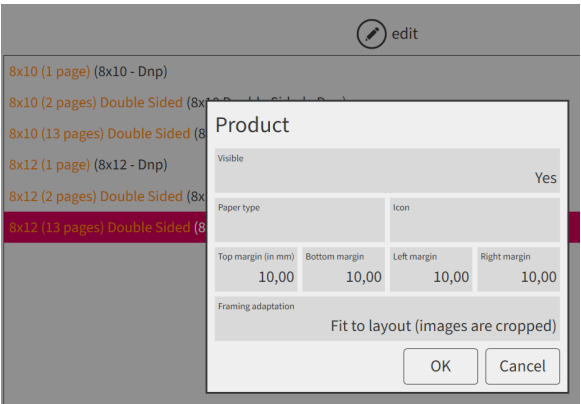
Prints



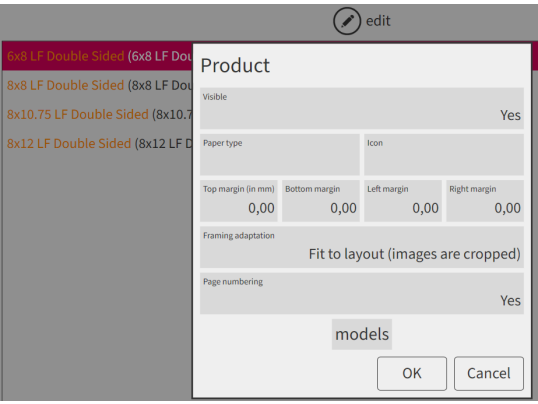
Double Sided Prints, Single Sided Photo card, Double Sided Photo card, Folded book



Calendar



Photobook



Print (Prints, Double Sided Prints) :

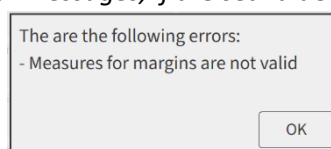
- The user can make each print size visible Yes or No, under this product category.
- The print formats/sizes will be visible also based on information of printer model and media loaded.
- The user can load/insert additional icon for the product.
- Print surface finish, by default the finish choice is manual so software will prompt page with finish selection during order creation.
- Add to add format: Yes, allows the format to be visible during the workflow of another print product.

Single sided photo card (Greeting cards) /Double Sided Photo card/Folded book (Double sided photo card) :

- The user can make it visible Yes or No, for each print size under these product categories.
- The user can load/insert additional icon for a product.
- The print formats/sizes will be enabled in the interface based on the printer type and media loaded.
- Print surface finish, by default the finish choice is manual so software will prompt page with finish selection during order creation.
- Top, Bottom, Left and Right margins: enter the minimum distance in millimeters from print border to image edge. These settings can be useful to avoid part of image is cut due to paper trimming.
- Framing adaptation: if set to “fit to layout” images will be cropped to fit to preset layout, if set to “fit to image” the layout will be adapted to image aspect ratio and image will have no cropping.
- The default quantity will be 3 for 4x8 sizes and for 6x8 sizes will be 2 to utilize 100% of the 8x12 Media.
- If the media size is 8x10 then the quantity will be changed appropriately.

Calendar:

- The user can make it visible of the product under the product category.
- The user can load/insert additional icon for a product.
- Print surface finish, by default the finish choice is manual so software will prompt page with finish selection during order creation.
- Top, Bottom, Left and Right margins: enter the minimum distance in millimeters from print border to image edge. These settings can be useful to avoid part of image is cut due to paper trimming.
 - By default, margins are set, advised not to make any changes.
 - *Any changes with margin lead to a different output under user responsibility.*
 -  *Software restart is necessary for any valid changes with the margins.*
 - *Software will display error messages, if the set value is too high.*



- Framing adaptation: if set to “fit to layout” images will be cropped to fit to preset layout, if set to “fit to image” the layout will be adapted to image aspect ratio and image will have no cropping.

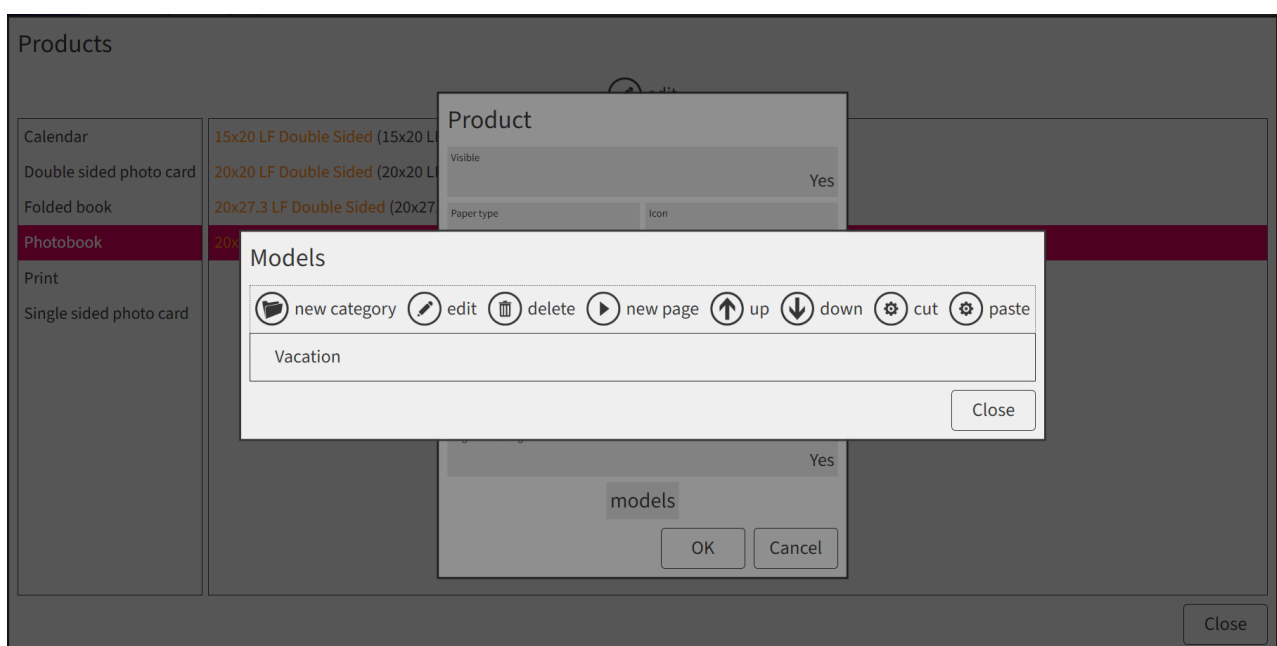
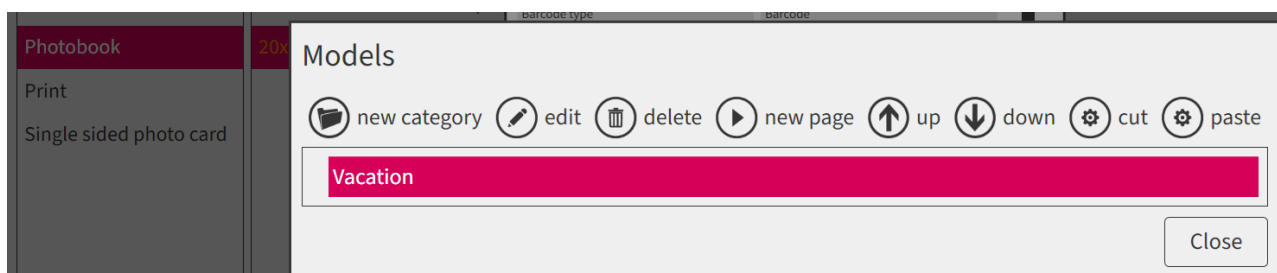
Photobook:

- The user can make it visible of each print size under this product category.
- The user can load/insert additional icon for a product.
- Print surface finish, by default the finish choice is manual so software will prompt page with finish selection during order creation.
- Top, Bottom, Left and Right margins: enter the minimum distance in millimeters from print border to image edge. These settings can be useful to avoid part of image is cut due to paper trimming.
 - By default, margins are set, advised not to make any changes.
 - *Any changes with margin lead to a different output under user responsibility.*
 -  *Software restart is necessary for any valid changes with the margins.*
 - *Software will display error messages, if the set value is too high.*

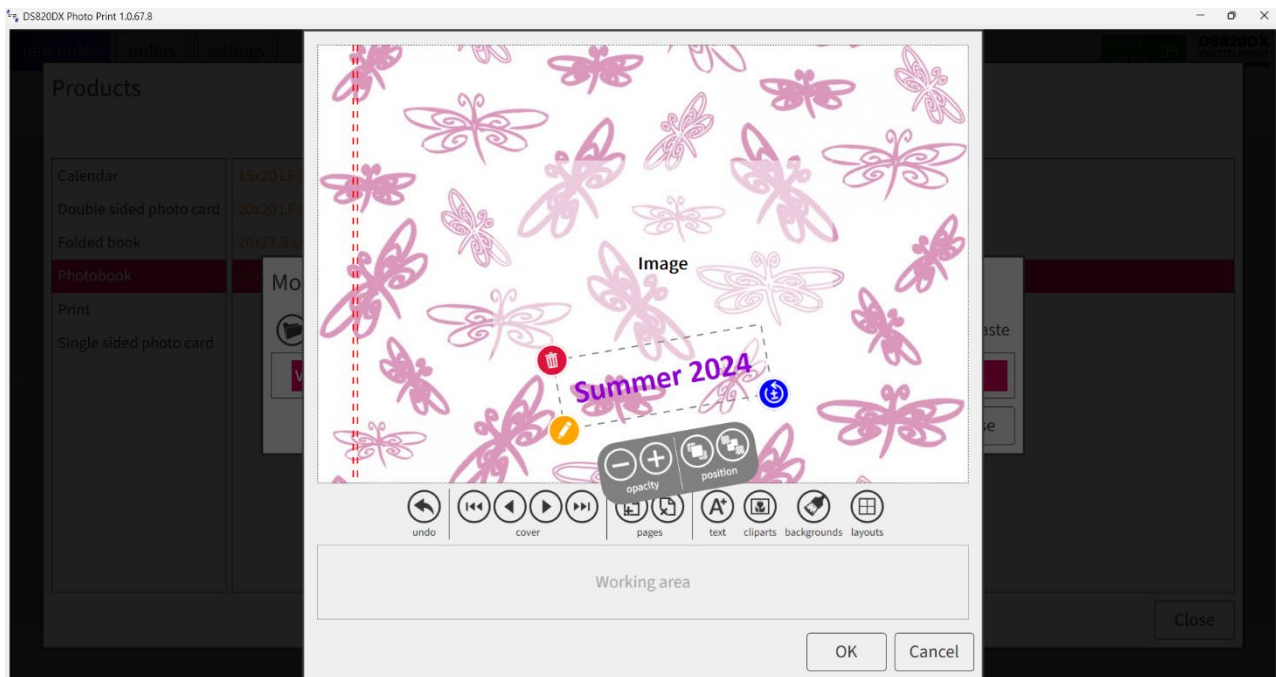
The are the following errors:
- Measures for margins are not valid

OK

- The user can set Framing adaptation to either 'Fit to Layout (Images are cropped)' or 'Fit to Images (Images are not cropped)'.
- Models: it is possible to arrange the photobook models into groups and to add icon and description for each model.



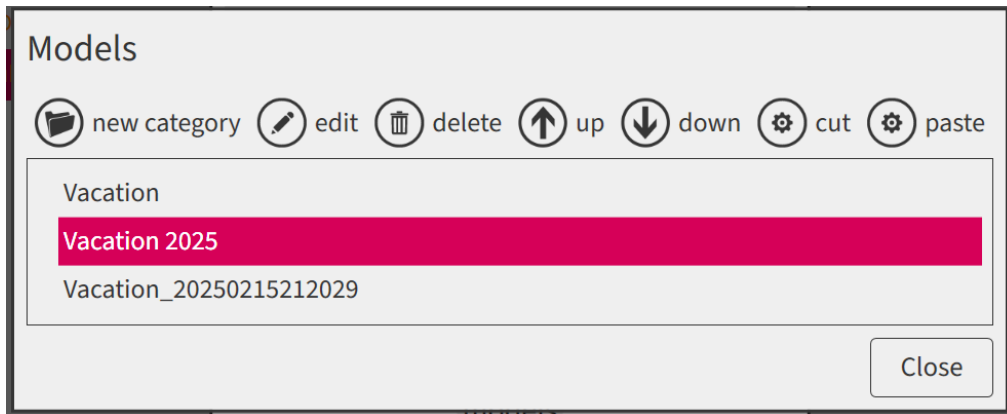
Note: The saved model allows the user to re-edit all as per the available functionality.



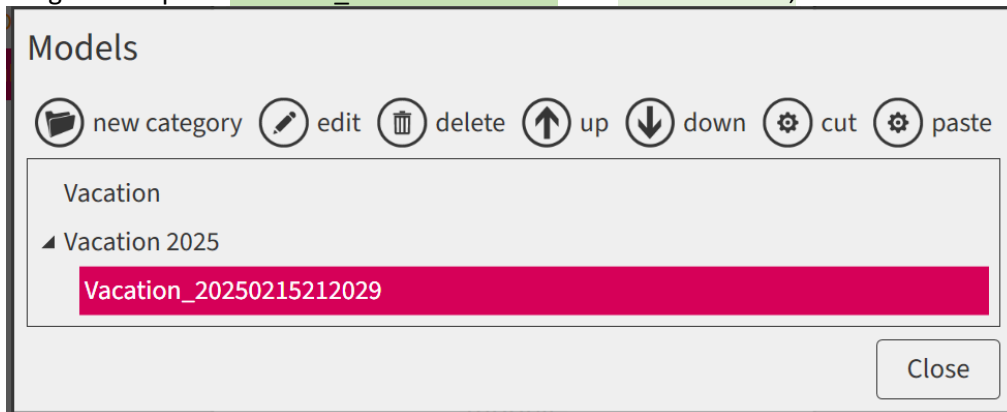
Regrouping of 'Models' is possible,
Click on 'New Category' and fill in the below details:

Category				
Name Vacation 2025				
Customized title Venice				
Description New Themes				
Visible Yes	Begin date 01/01/1900	End date 31/12/2999	Visibility on kiosks Visible	
Background color Default	Custom background color	Text color		
Font				
Icon		Background image 		
Password	Supported languages	Unsupported languages		
OK		Cancel		

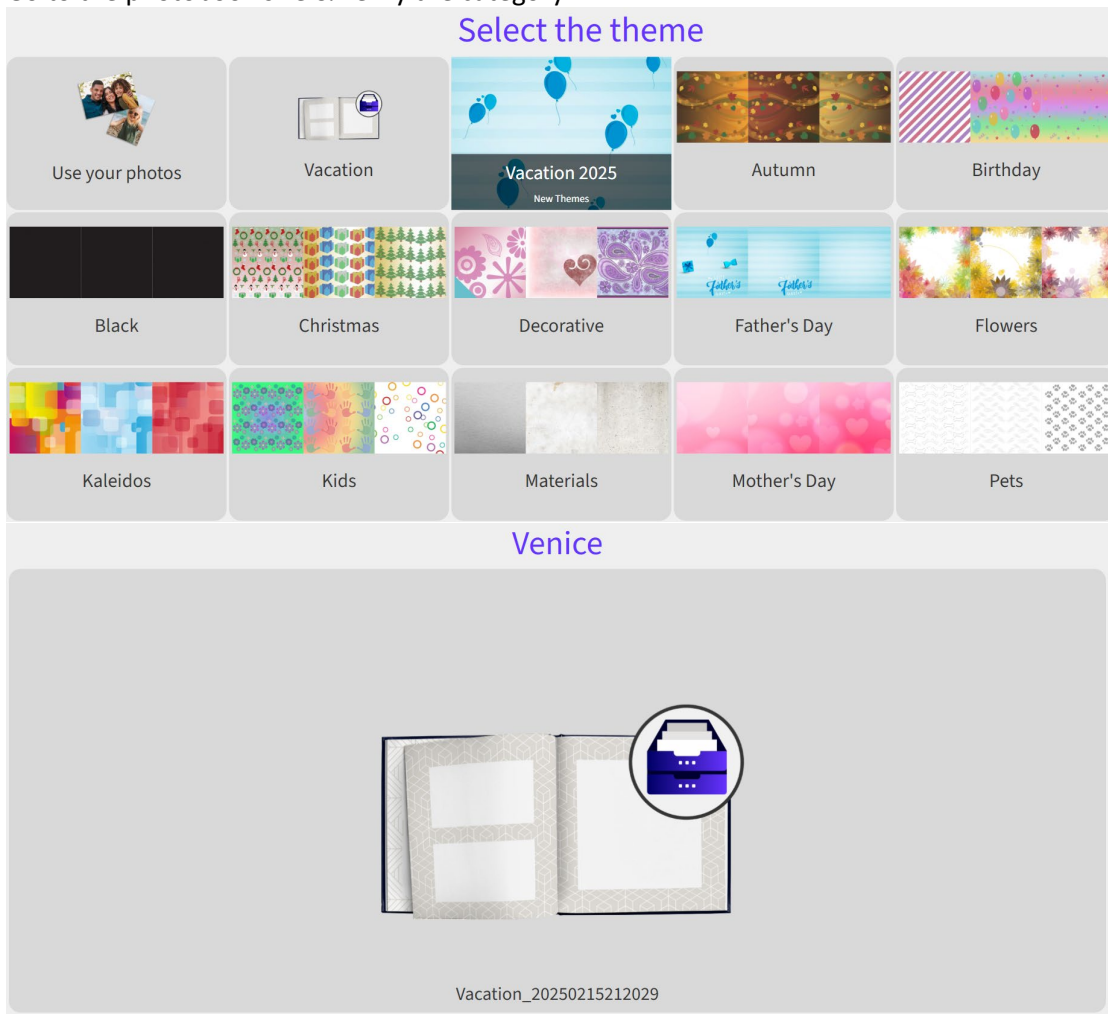
- Name: Enter a name
- Customized Title: Enter a title
- Description: Give a description
- Visible: Set Yes or NO, for the category
- Begin/End Date: Set it as per requirement
- Visibility on Kiosks: N/A
- Background color: default or choose one from the list.
- Custom background color: choose from the palette
- Text color: choose from the palette
- Font: set a desired font from the list
- Icon: Set and icon, size: 500x500 pixels
- Background Image: Set a background image, size: 500x500 pixels
- Password: set a password to access the category of models
- Supported Languages: set the category to visible for the selected languages from the list.
- Unsupported Languages: set the category to un-visible for the selected languages from the list.



Drag and drop the **Vacation_20250215212029** into Vacation 2025, click on Close.



Go to the photobook size & verify the category:



Frames

DS820DX Photo Print is delivered without frames installed.

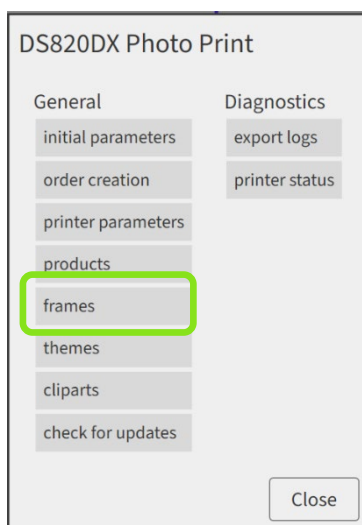
Please use this option to add frames.

Frames (for “Frames” product): allows user to enhance pictures with graphic elements like borders, logos and so on. The file with a frame must be:

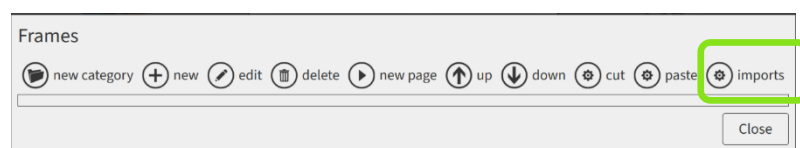
- .png with transparent area where the photo will be printed.
- Same size ratio as print format.
- Transparent area may have shade.
- PNG images stored in the computer.

Example of importing a frame with size ratio good for an 8x12 print.

1) Click on frames



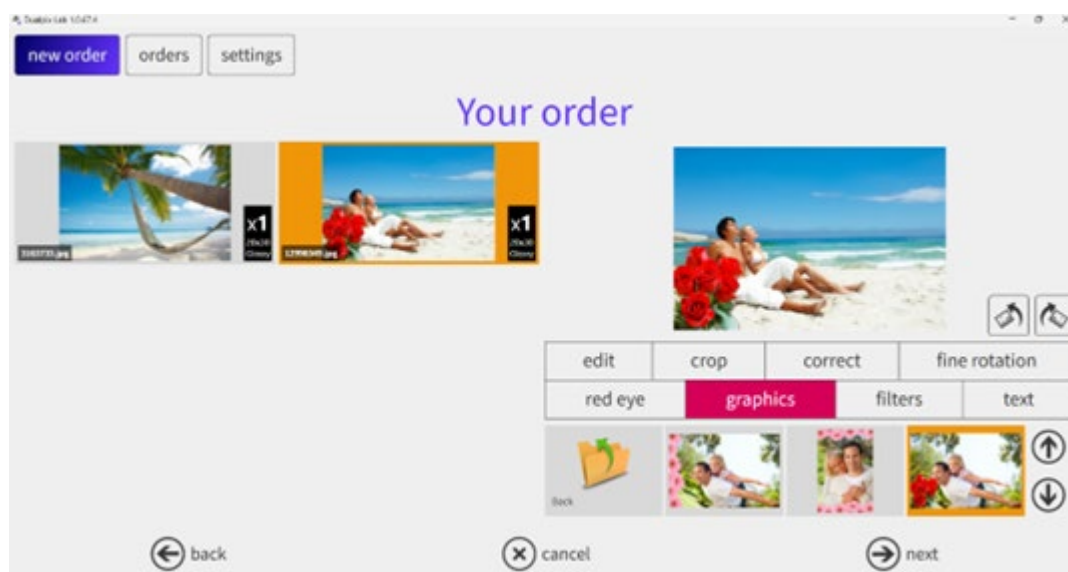
2) Click on imports



3) It will open system file browser to select the file(s) to be used as graphics for prints with frames

4) Click “open” to import the file(s), click on “close” to close frames import window, close the program and restart the software.

5) New Frames are now available if you select “graphics” tab on photo editing page:



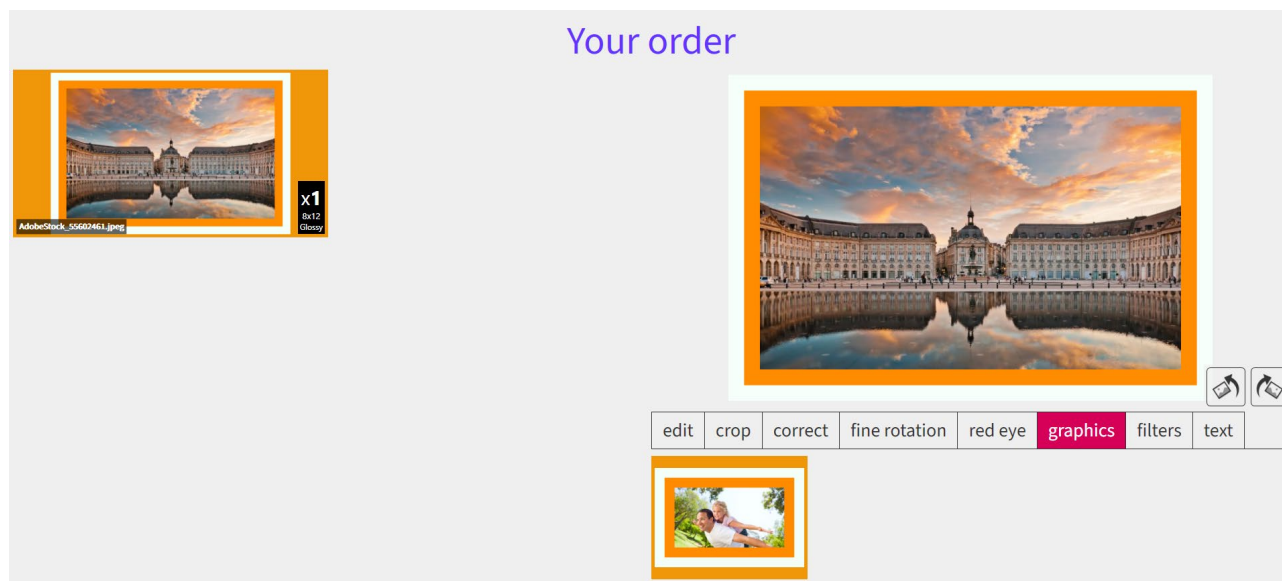
It's possible to add borders around the image, from colored border:

- Border Size outer & inner
 - ✓ Define the size in mm
- Inner & outer border color
 - ✓ Choose from the color palette
- Name: Enter a name
- Description: Give a description
- Visible: Set Yes or NO, for the category
- Begin/End Date: Set it as per requirement
- Visibility on Kiosks: N/A
- Background color: default or choose one from the list.
- Custom background color: choose from the palette
- Text color: choose from the palette
- Font: set a desired font from the list
- Icon: Set and icon, size: 500x500 pixels
- Background Image: Set a background image, size: 500x500 pixels
- Password: set a password to access the category of models
- Supported Languages: set the category to visible for the selected languages from the list.
- Unsupported Languages: set the category to un-visible for the selected languages from the list.
- Tag: N/A

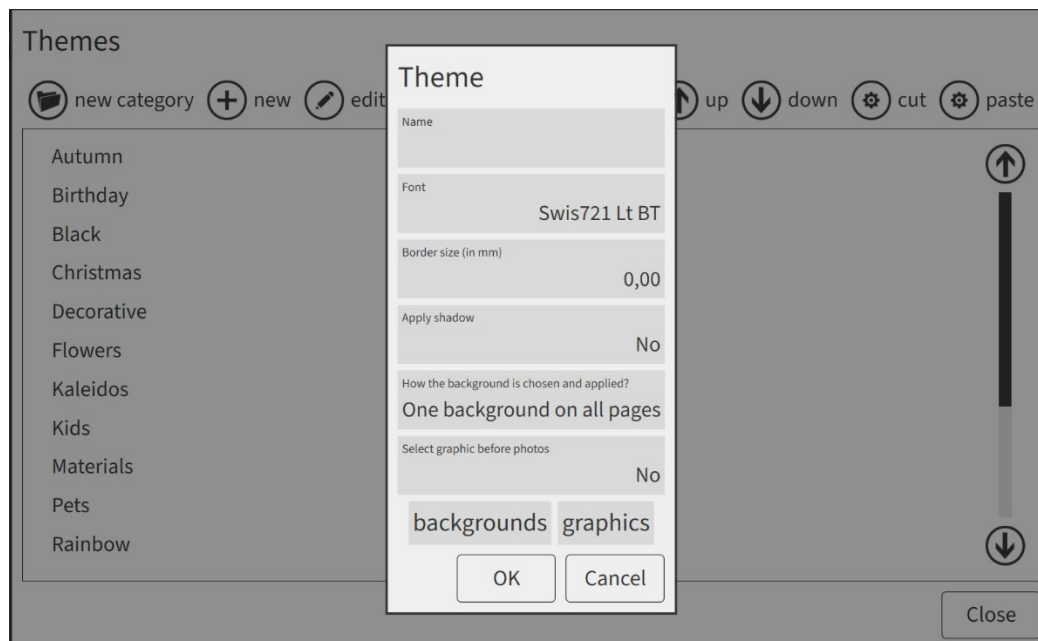
⚠ Restart the software.

We can create a category of borders **referring to page number 52**, New Category' for instructions.

In the workflow of the product, Prints, under edit menu, click on 'Graphics' to apply the border(s).



Themes



Themes: allows user to import backgrounds and graphics that will be used to create personalized products.

Backgrounds:

There are already default backgrounds provided with DS820DX Photo Print software. Please use this option to add themes to existing ones.

A background can be imported from a file or generated choosing a color from a palette.

The file with a background must be:

- .jpg image type
- Square size ratio is recommended so it will be easily cropped to print format size ratio

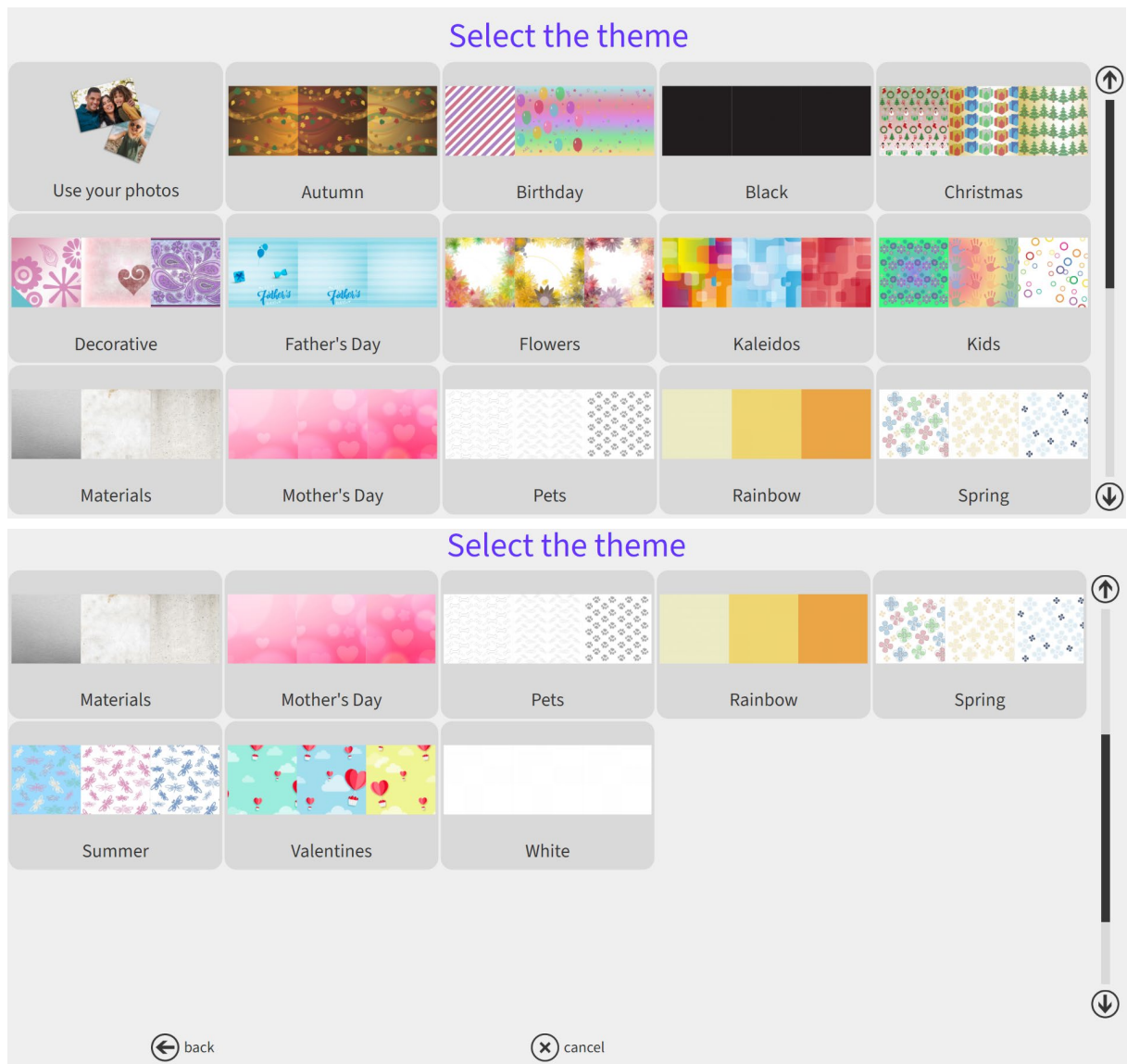
For each theme it is possible to set default font for text and size of border to be placed around inserted images (default border size is zero, so no border is added to images).

For each background it is possible to select default color for text and default color for image border.

By default, software included with the following templates:

Each themes provides varieties of background.

✓ User your photos ✓ Autumn ✓ Birthday ✓ Black ✓ Christmas ✓ Decorative	✓ Father's Day ✓ Flowers ✓ Kaleidos ✓ Kids ✓ Materials ✓ Mother's Day	✓ Pets ✓ Rainbow ✓ Spring ✓ Summer ✓ Valentines ✓ White
--	--	--



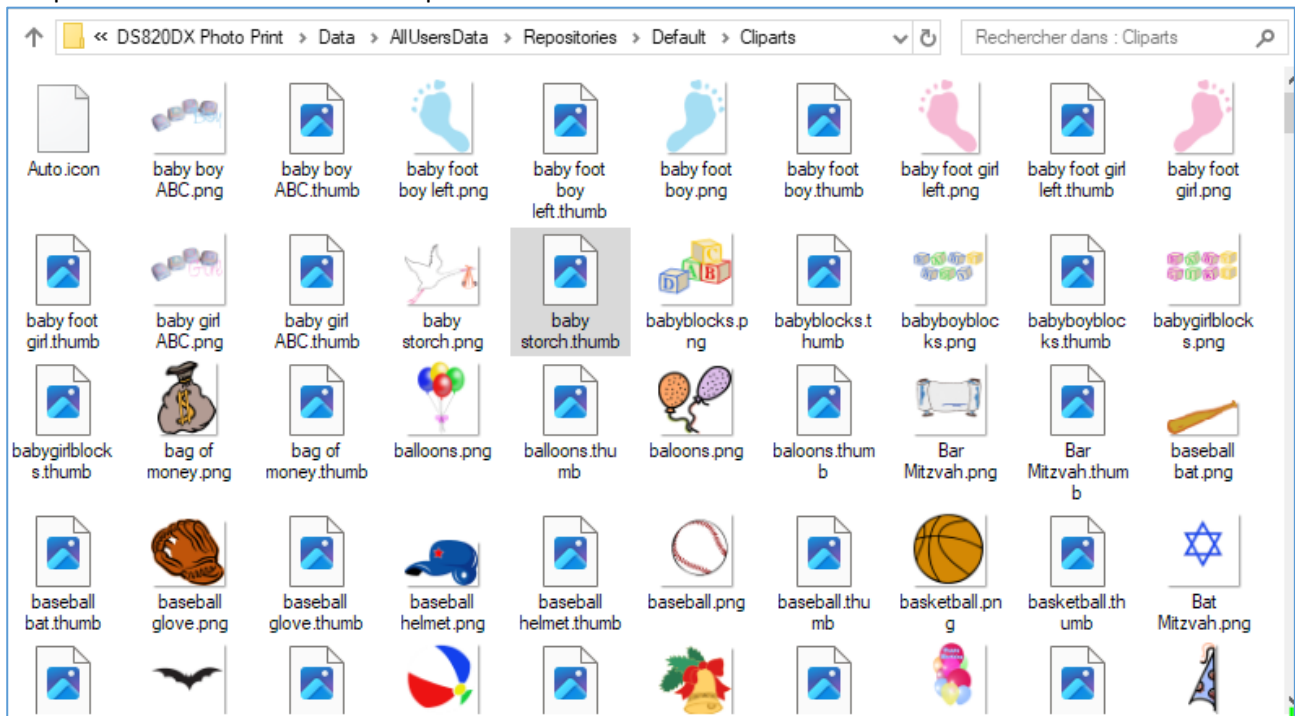
Graphics:

The graphic is imported from a PSD file. The graphics of the PSD file must have the size ratio of a product available. As an example, a PSD file valid for 10x20 greeting card at 300 DPI must have dimension of 1200 x 2400 pixels.

To obtain the guidelines for design and import using the software, please contact your vendor (each distributor).

Cliparts

Click on the 'ClipArts' button to open folder with clipart contents.
It is possible to add PNG files for Clipart on this folder.



Directory: C:\Program Files (x86)\DS820DX Photo Print\Data\AllUsersData\Repositories\Default\Cliparts
Size for the clip Arts: **Square Size, minimum 300x300 pixels .PNG format only.**

Check for updates

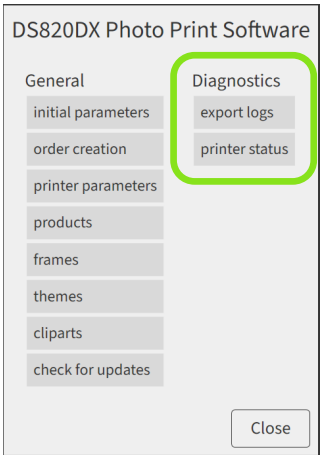
Please visit the website of your DNP country website to get the latest version of the software:

DS820DX Photo Print Software v1.0.67.XX

- DNP Photo Imaging Japan Co., Ltd. https://www.dnp.co.jp/biz/theme/dnp-pj_support/detail10/20173903_5070.html#anc01
- DNP Imaging Communication (Shanghai)Co., Ltd. <https://dnpphoto.com/china/download.html>
- DNP Imagingcomm Asia Sdn. Bhd <https://www.dnpimagingcomm.asia/downloads>
- DNP Imagingcomm America Corporation <https://dnpphoto.com/en-us/Utility-Apps>
- DNP Photo Imaging Europe SAS <https://www.dnpphoto.eu/en/support-and-downloads>

Close

Diagnostics



Export logs

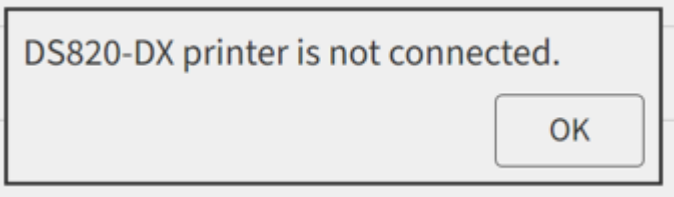
To create a compressed folder containing log files, useful for reporting any problems with the system.

Printer status

Printers status							
Model	Serial number	Media size	Remaining prints	Life prints	Status	Firmware	Lot
DS820DX	DPDS820DX	20x30 (PD)	70	9071	IDLE	DS820DX 01.01	ML

It lists the connected printer(s), media loaded, remaining prints, printer status.

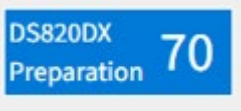
While pressing the ‘print now’ button the printer is not connected, the following message is displayed by the software:



Printer Status Ready: Green color



Order preparation is in process: Blue color



Order printing is in process: Orange color

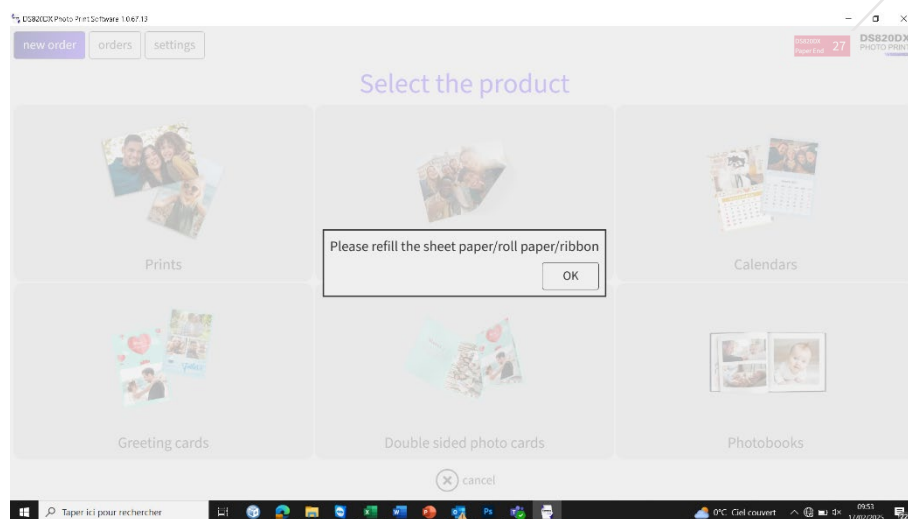


Printer status: Disconnected, Paper Tray Open, Cover Open: Red Color



Any issues with the printer the status icon in red color with relevant message to understand.

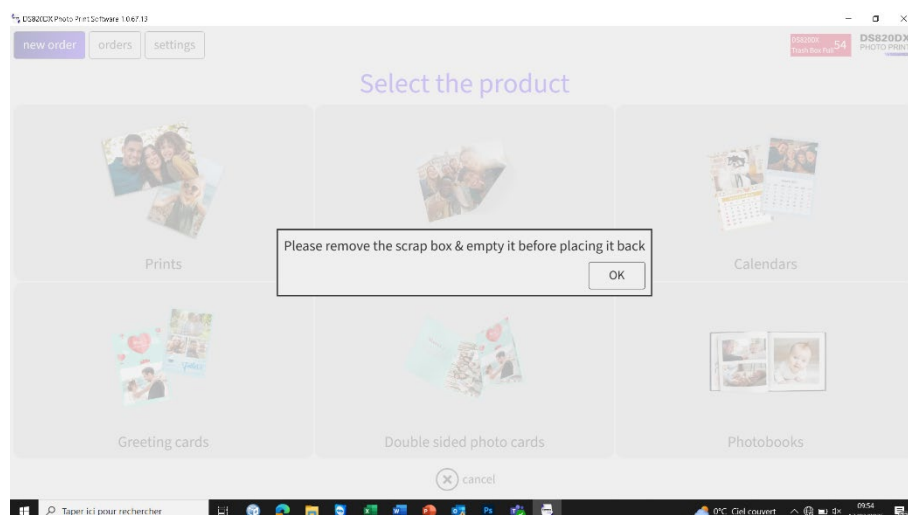
Paper End status message:



The printer requires to refill both paper (Trey paper) and ribbon to change everytime.

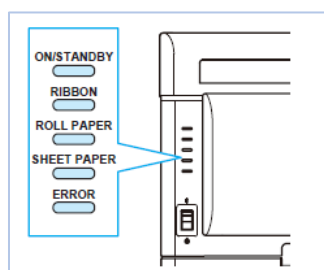
Note: if the Roll-paper is used then change it as per your usage.

The trash box/scrap box must emptied after refilling paper (cut/roll) & ribbon.

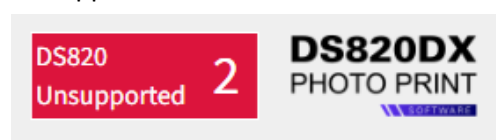


The printer put back to normal (green color) after successfully refilled (Cut/Roll Paper & Ribbon) media.

Verify the printer user manual for more details about the printer status & error messages.



⚠ Only DS820-DX printer is supported by the software, if other DNP printer connected to the software displays the following message: Unsupported



Products List:

Product	Product Size in Inches	Products Size in CM	Media type
Calendar	8x10 (1 page)	20x25 (1 page)	Simplex
Calendar	8x10 (2 pages) Double Sided	20x25 (2 pages) Double Sided	Duplex
Calendar	8x10 (13 pages) Double Sided	20x25 (13 pages) Double Sided	Duplex
Calendar	8x12 (1 page)	20x30 (1 page)	Simplex
Calendar	8x12 (2 pages) Double Sided	20x30 (2 pages) Double Sided	Duplex
Calendar	8x12 (13 pages) Double Sided	20x30 (13 pages) Double Sided	Duplex
Photobook	LF8x8	LF20x20	Duplex
Photobook	LF8x10	LF20x25	Duplex
Photobook	LF8x12	LF20x30	Duplex
Photobook	LF6x8	LF15x20	Duplex
Double Sided Print	3.9x4	9.9x10	Duplex
Double Sided Print	3.9x6	9.9x15	Duplex
Double Sided Print	3.9x8	9.9x20	Duplex
Double Sided Print	7x5	13x18	Duplex
Double Sided Print	8x4	10x20	Duplex
Double Sided Print	8x5	13x20	Duplex
Double Sided Print	8x6	15x20	Duplex
Double Sided Print	8x8	20x20	Duplex
Double Sided Print	8x10	20x25	Duplex
Double Sided Print	8x12	20x30	Duplex
Single Sided Print	8x4	10x20	Simplex
Single Sided Print	8x5	13x20	Simplex
Single Sided Print	8x6	15x20	Simplex
Single Sided Print	8x8	20x20	Simplex
Single Sided Print	8x10	20x25	Simplex
Single Sided Print	8x12	20x30	Simplex
Single Sided Greeting Card	8x4	10x20	Simplex
Single Sided Greeting Card	8x5	13x20	Simplex
Single Sided Greeting Card	8x6	15x20	Simplex
Double Sided Greeting Card	3.9x4	9.9x10	Duplex
Double Sided Greeting Card	3.9x6	9.9x15	Duplex
Double Sided Greeting Card	3.9x8	9.9x20	Duplex
Double Sided Greeting Card	7x5	13x18	Duplex
Double Sided Greeting Card	8x4	10x20	Duplex
Double Sided Greeting Card	8x5	13x20	Duplex
Double Sided Greeting Card	8x6	15x20	Duplex
Double Sided Greeting Card	8x8	20x20	Duplex
Double Sided Greeting Card	6x4 Folded Portrait	10x15 Folded Portrait	Duplex
Double Sided Greeting Card	6x4 Folded Landscape	10x15 Folded Landscape	Duplex

Double Sided Greeting Card	7x5 Folded Portrait	13x18 Folded Portrait	Duplex
Double Sided Greeting Card	7x5 Folded Landscape	13x18 Folded Landscape	Duplex
Double Sided Greeting Card	8x5 Folded Portrait	13x20 Folded Portrait	Duplex
Double Sided Greeting Card	8x5 Folded Landscape	13x20 Folded Landscape	Duplex
Double Sided Greeting Card	8x6 Folded Portrait	15x20 Folded Portrait	Duplex
Double Sided Greeting Card	8x6 Folded Landscape	15x20 Folded Landscape	Duplex

*Photobook LF = Photobook Lay Flat

Troubleshooting

For technical issues, please contact your vendor (each distributor).

- MEMO -

Dai Nippon Printing Co., Ltd.