

PS studio 2.3.0

User Manual

REV 1.2

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1 Introduction

1.1 Description

Thank you for purchasing this product. The PS studio is easy to install and use in the commercial photography business and has been designed to operate with MITSUBISHI ELECTRIC sublimation printers. The application allows you to offer the end customer the following types of photographic products:

1. Instant copies, including 15x15.
2. ID photos: passport, driving licence, student cards...
3. EasyGift greeting cards
4. EasyGift calendars
5. EasyGift albums

NOTE: to install the applications, please read the respective annexes of this manual.

NOTE: to offer the photographic product line that enables double-sided print, it is necessary to purchase the CP-W5000DW printer.

2 Home screen

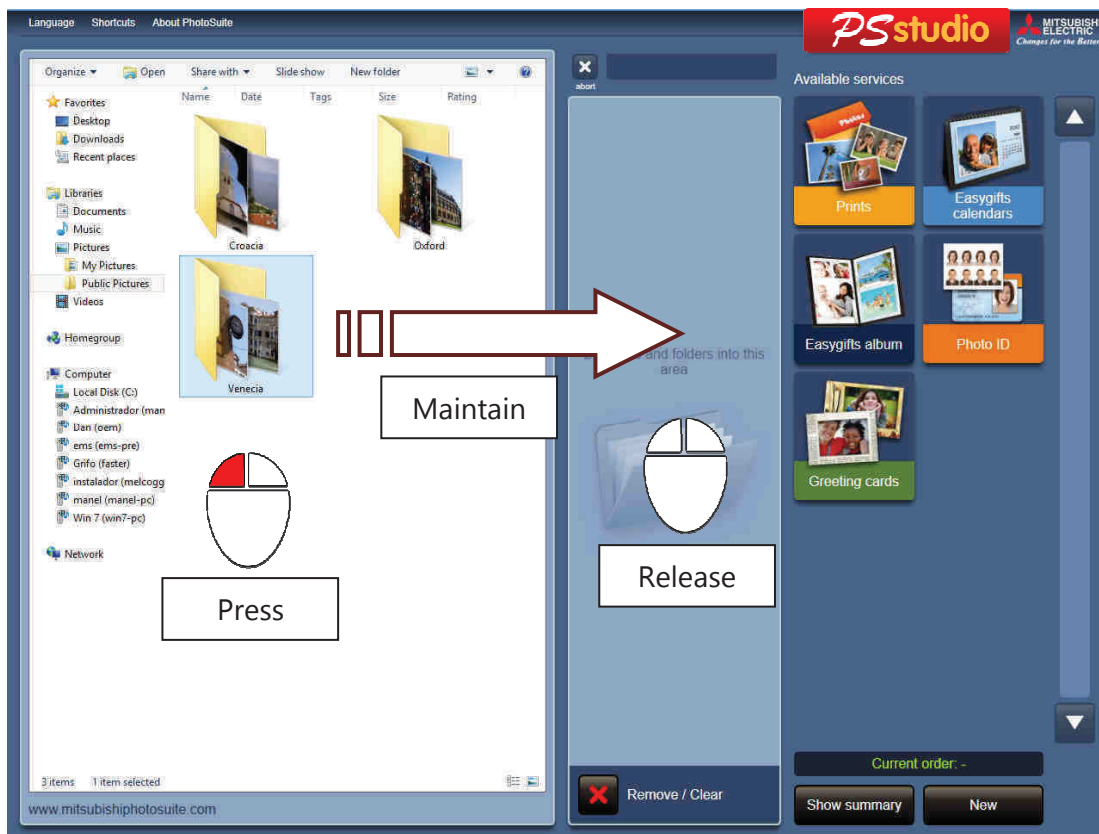
2.1 Home screen elements

The home screen is divided into 5 parts:

- Menu: It contains the menu for changing the language and direct accesses to different applications.
- File examination area: From this Windows explorer you can easily access your computer images, network units, devices installed in the computer, etc....
- Drag area: This panel can be used to drag the folders and the photos you want to print and see the ones already added to the system.
- Services area: This area allows you to see and execute the different printing services available in PS studio.
- Shopping cart: This area allows you to see the current price of all the services sent for printing and a list of them.

2.2 How to select the photos

To select the photos used for the different services, just select them, drag them and release them on the panel marked for this purpose.



Bear in mind that you will later see screens from which you can easily select the photos for printing. For this reason we recommend you directly drag the folder containing the client's photos.

The programme will scan the folder to find all the photos in it or in its subfolders. So if you drag a USB device all the photos in it will be located.

The software can read the following picture file extensions: jpg, jpeg, bmp, gift, tif, tiff, png.

Depending on the size of the dragged folder, this search process may take quite some time. If you want to cancel the process press the option "cancel" next to the progress bar.



If the system locates folders or files that are inaccessible, usually related to corrupt directories in the device, the name of the dragged file will be shown in red. The images found in the directories with no problems can be used for providing the different services.

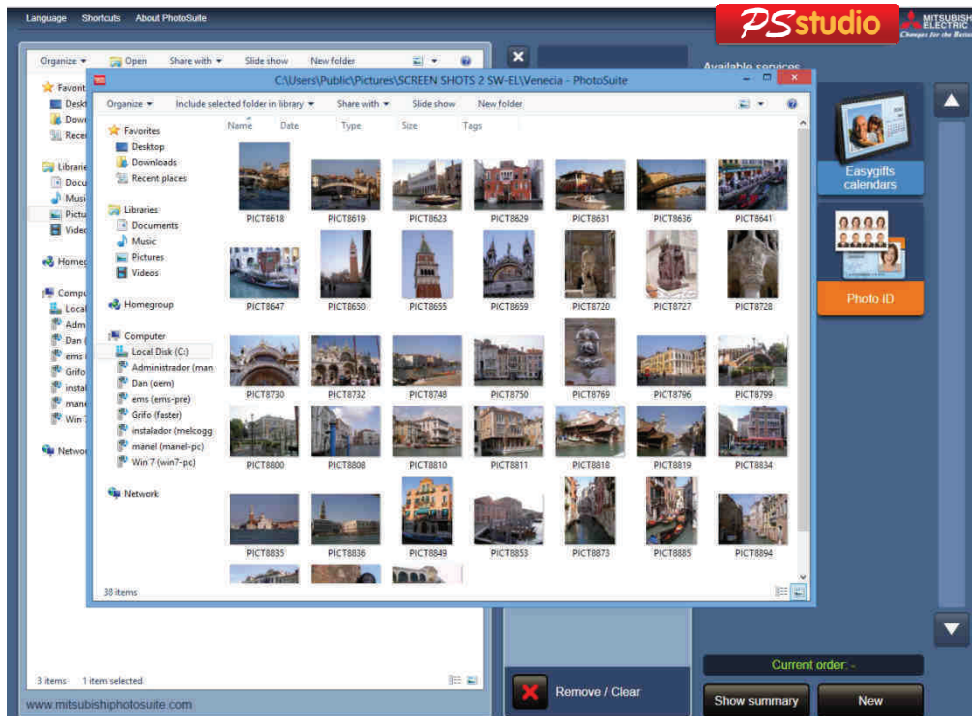


The user's photos are not yet copied, so the device should not be removed until it has finished providing the required services.

It may not be possible to drag and release directly from some devices, for instance a cell phone. In such cases it is advisable to first copy the photos from the device to a folder. Then drag the photos directly from that folder.

2.3 How to see in detail the added folders

If you want to see the content of an added folder double click on the folder in the list of added elements and a browser will open up, showing you the content of the folder.

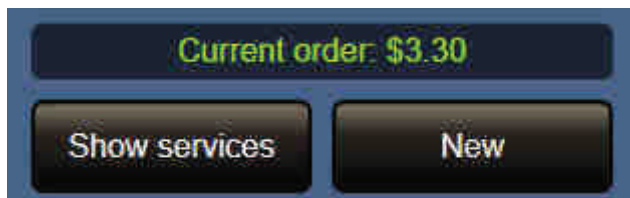


2.4 How to start a PS studio service

First select the client's photos and then click on the required service. Each service needs a minimum number of photos for it to be provided correctly, for instance 12 photos will be needed for the monthly calendar product. The application will inform you if there are not enough photos to provide the service.

2.5 Shopping cart

When you have finished providing a service the total updated price of the order will be shown.



If you want to see a list of the services provided for the client, click the option "Show summary".

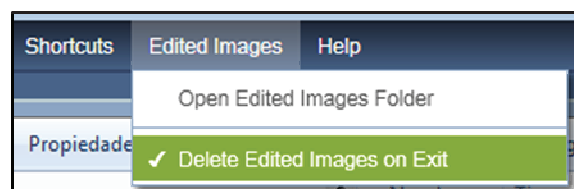
| Order summary | | |
|-------------------------|---|--------|
| Copies | | |
| 6x8 | 1 | \$0.75 |
| 4.4x6 | 1 | \$0.60 |
| 6x8 | 1 | \$0.75 |
| Easygifts calendars (1) | | |
| 4.4x6 | 1 | \$1.20 |
| Total | | \$3.30 |

Once you have finished working with the current client, press the option "New" and all the information will be deleted from the shopping cart, including the client's photos.

2.6 Management of edited pictures

Any picture that has been edited while a service was prepared, such as changing the brightness, converting to black and white, cropping, etc.... is kept in the hard disk so that it can be retrieved and used for other services.

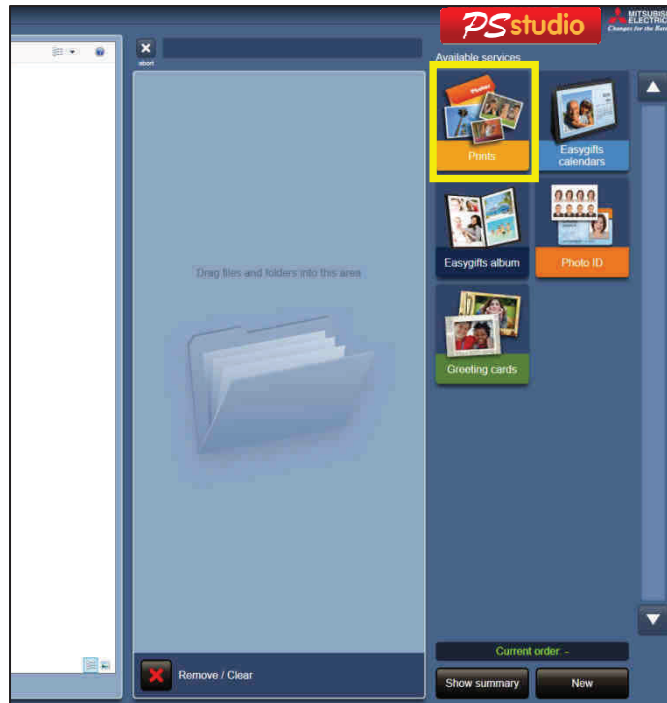
The pictures will normally be deleted when exiting the PS studio application. You can access the content of this folder through the 'Edited images' menu, and change the automatic deletion option.



If the automatic deletion of these pictures is deactivated, you should access the folder manually from time to time and delete them, to prevent them taking up too much space on the hard disk.

3 Services

3.1 'Copy' Service



This service allows you to print the photographs in a large variety of formats. Consult the "Printmodule" annexe to see the list of compatible formats and printers. Up to two printers connected simultaneously can be supported.

'Copy' service: workflow

After the client has selected the folders for working with, he can examine the photos, order the different print sizes for each one, rotate them (only in order to see them better, the result is not saved permanently in the original file) and edit the brightness and contrast, apply black and white or sepia effects, adjust the colour, etc. by pressing the option Touch-up'.

The miniatures of the photos are shown at the top, in chronological order. The selected photo, in orange, is also shown in the central panel.

The copies are added for each different print format to the right of the central photo. The unit price and number of copies are also indicated in the box for each print size.

The total number of copies of each photo, including the different print formats, is shown below each miniature in the top panel.

The total price of this service is shown in the box in the bottom right corner. The next option must be pressed to confirm the selection and continue the workflow.



A warning icon also appears when the picture does not have the minimum resolution needed for the selected product.

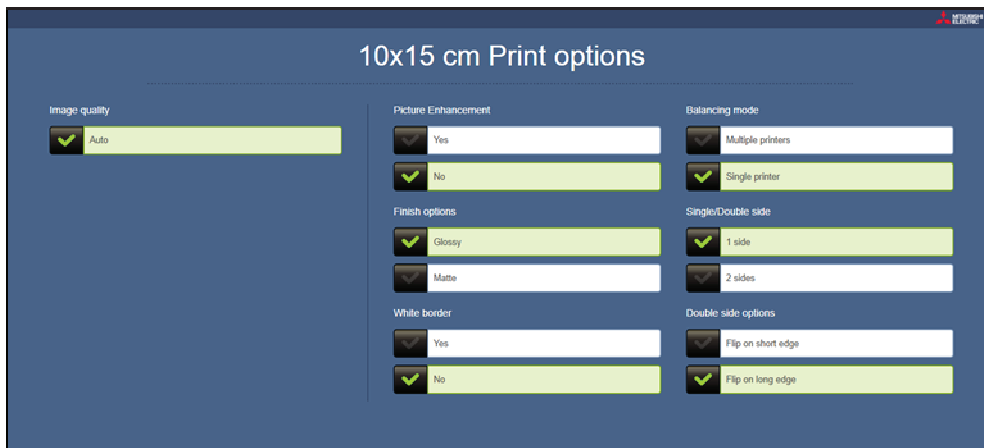


The 'Copies' service does not show the products available for double-sided print, even with a compatible printer. If you want to print copies on both sides with this service, this can be forced in the print options described later in this document. If sending more than 2 pictures or several copies of any of them, it is not possible to guarantee the order in which they will be matched.

When the "Next" option is pressed, an options window appears corresponding to the first product on the list of products selected for that order. This window allows you to select the print options:

- Quality (normally inversely proportional to the printing speed)
- Automatic image enhancements: YES / NO
- Glossy or satin finish
- White edge: YES / NO
- Print distribution option: use one printer or use all the available printers at the same time.
- One side / both sides.¹
- Sheet-turning drum for double-sided print: depending on the choice, the subsequent print will appear or not appear on both sides.

¹Double-sided print is only compatible with the CPDW5000DW model.



This screen is shown for each different product selected in the order.

NOTE: the automatic image enhancement and distribution mode option can only be selected in the first product options, then the selection is maintained for those parameters for the rest of the products in the same order (shown in grey with the selected value)



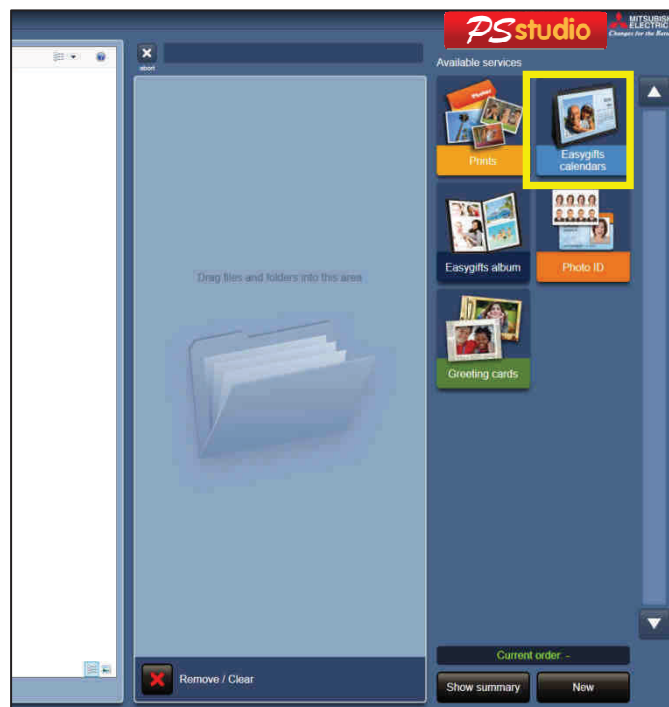
All the options between orders are maintained to make the work easier for the operator, except those related to double-sided print, which may depend on the product selected.

Then the service takes all the necessary information and generates the files required for production. Depending on the type of service, this may take a few seconds or several minutes (as in the case of an album with several pages and a large number of photos).



The service is closed and the user is returned to the main menu to continue generating orders or adding services to the same order, as required.

3.2 'Calendars' service



This service allows the client to print his photos in calendars with different sizes and formats and on one or both sides².

² Double-sided print is only compatible with the CPDW5000DW model

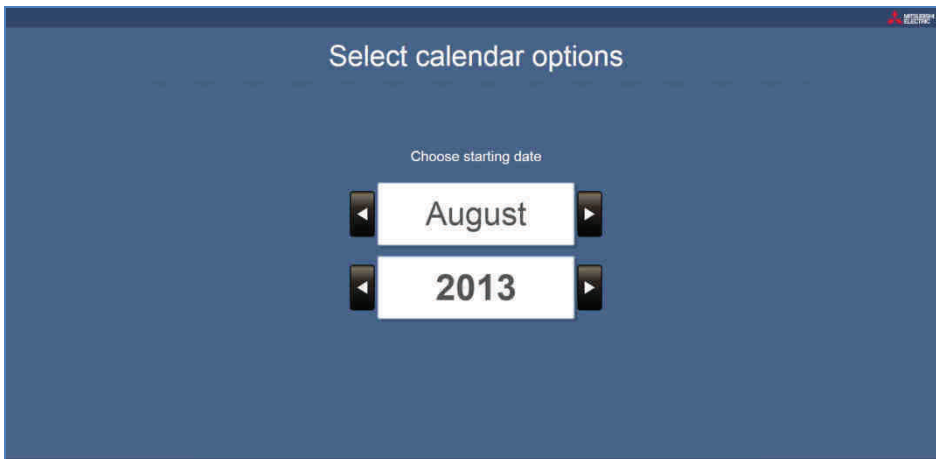
Calendars: workflow

After pressing the option "Calendars" in the home screen, this service will be activated.

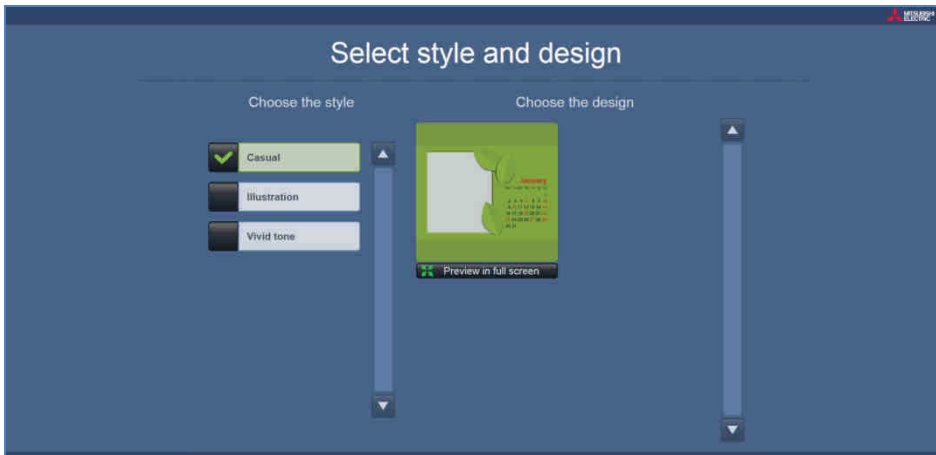
The first step is to select the product, which is defined by different properties: the content (1 picture = annual calendar, 12 pictures = monthly calendar), the print size and double-sided or one-sided print.



Then the start month and year are selected.



A style and a collection of backgrounds are then selected for creating the calendar.



Before entering the edit screen, the information on the days and months is automatically prepared, in accordance with the local configuration and the parameters selected by the user (year and initial month) and painted on each background. This process may take a few seconds.



In the edit screen, different photos can be assigned to each background.

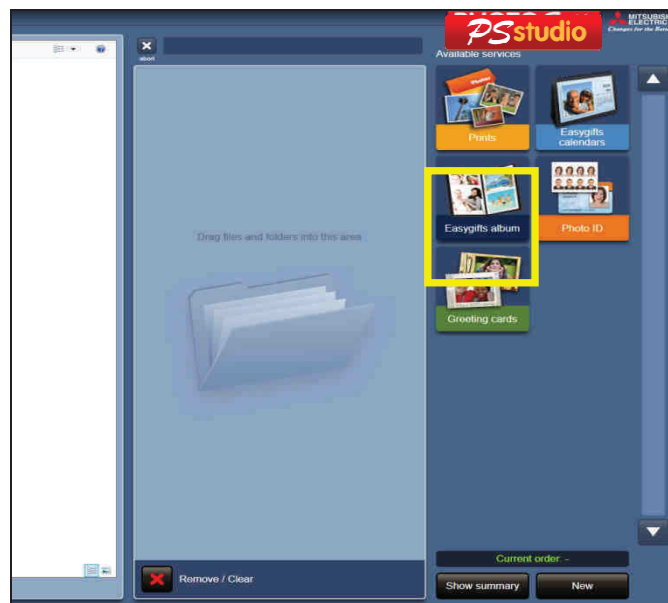
The size and position of the photo in each calendar sheet can be adjusted, and the photo can be edited with the habitual touch-up tools.



Once the photos have been assigned to all the calendar sheets, the user can move on to the print options screen and then to the product order summary (where several copies of the same calendar can be requested).

After completing this operation the user is returned to the main menu.

3.3 'Easygifts Album' service



The Easygifts Album application allows you to create photo albums in a quick, easy and simple way. It is possible to choose between different products, each of which is

characterised by offering a specific number of pages, print sizes and print methods (double-sided or one-sided)³.

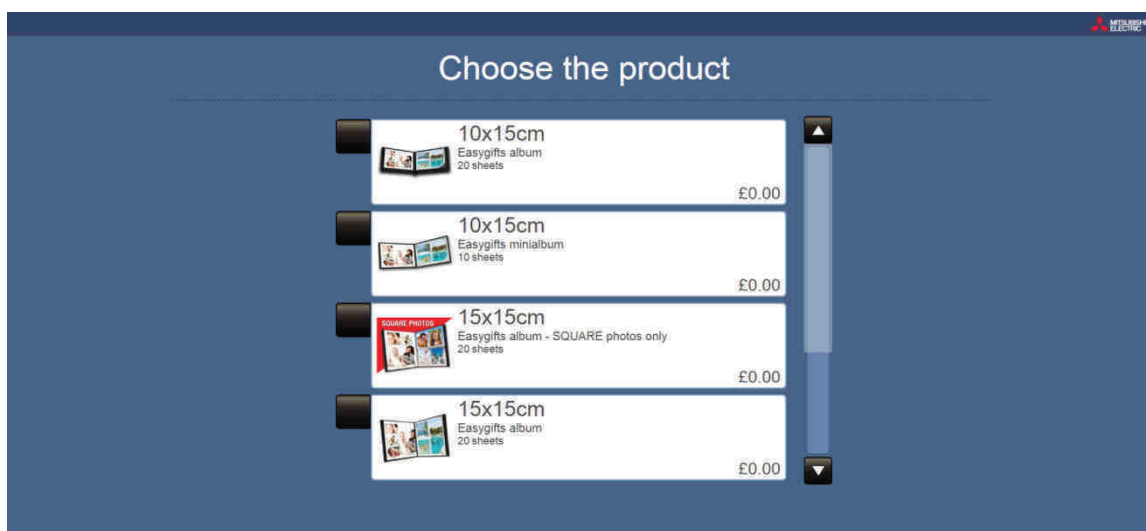
The 'Easygifts Album' application has a wide range of combinations or "templates" for the automatic layout of the photographs on the album pages. It is also possible to choose between the client's own photos or a large variety of decorative photos to fill in the background of each page, in addition to inserting a text for the album title, meaning that the album can be designed for the client in a very short space of time.

'Easygifts Album' service: workflow

Once the client has selected the folders with the photos, an album can be created automatically in a few steps, following the application instructions flow. This section describes the different screens and their meanings.

Selecting the product

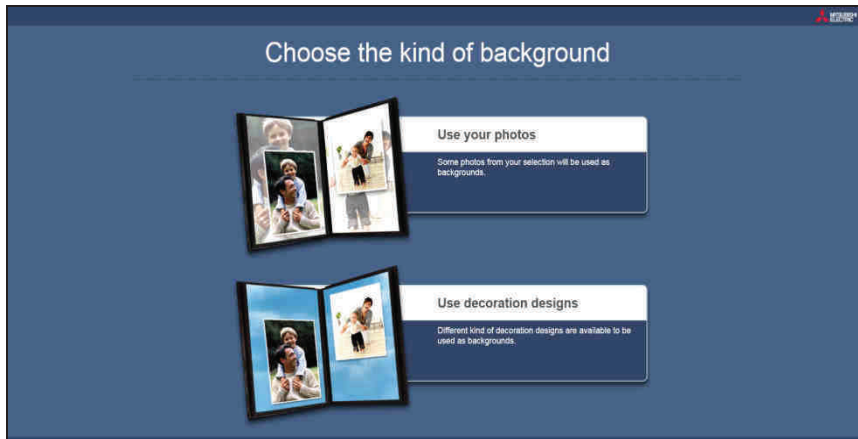
The required product is selected here, based on the size, the number of pages and double-sided or one-sided print. Each product admits a minimum and a maximum range of photographs.



Type of background

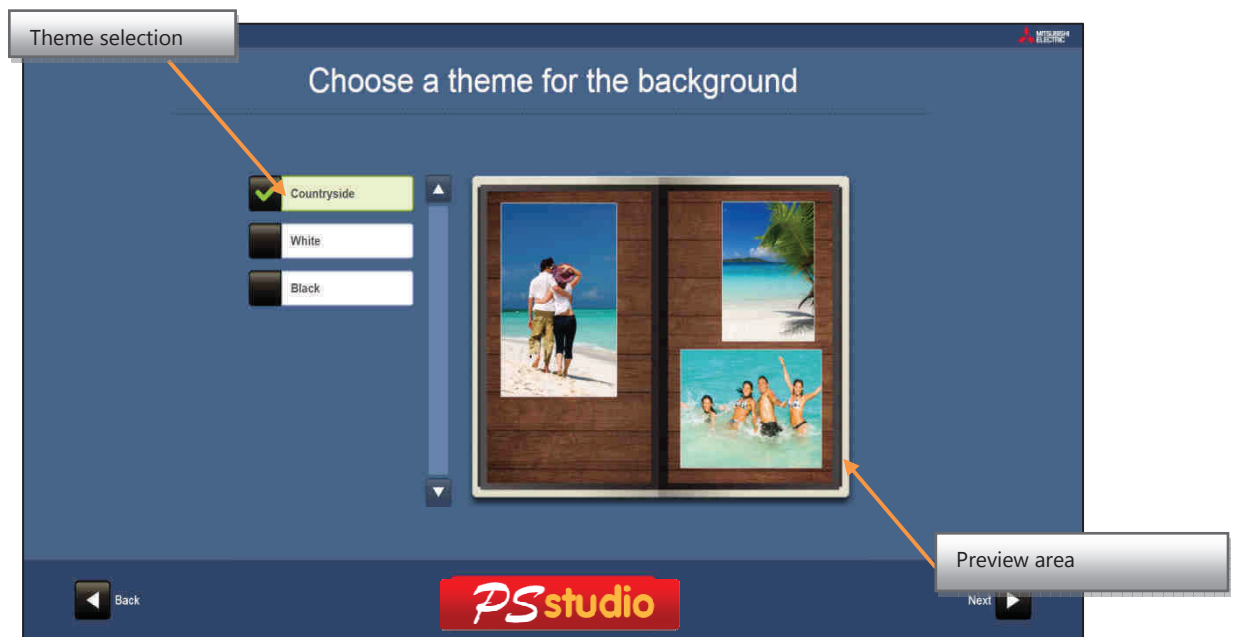
The user can either choose his own photos as a background for each page (the programme automatically selects a photo from among those on the page) or choose a decorative background from among several available themes.

³ Double-sided print is only compatible with the CPDW5000DW model



Theme selection

If the client wants to use decorative backgrounds for the album pages, he must decide what theme to use in this step. Each theme has several backgrounds that are applied at random to each page of the selected product. When a theme is pressed, each of the different backgrounds that form it are shown for brief intervals of time.



Photograph selection

Once the folders to be processed have been selected, the following screen appears:



► The selected photos will change the colour of the lower bar with the name.
To see a full-size preview of the selected photo on the screen, press the button with the magnifying glass icon.

The number of photos selected is shown on the screen.

If the minimum number of photos needed for the album is not selected, the button in the right bottom corner which allows the flow to continue will not be activated. If too many photos are selected, a message will be displayed.

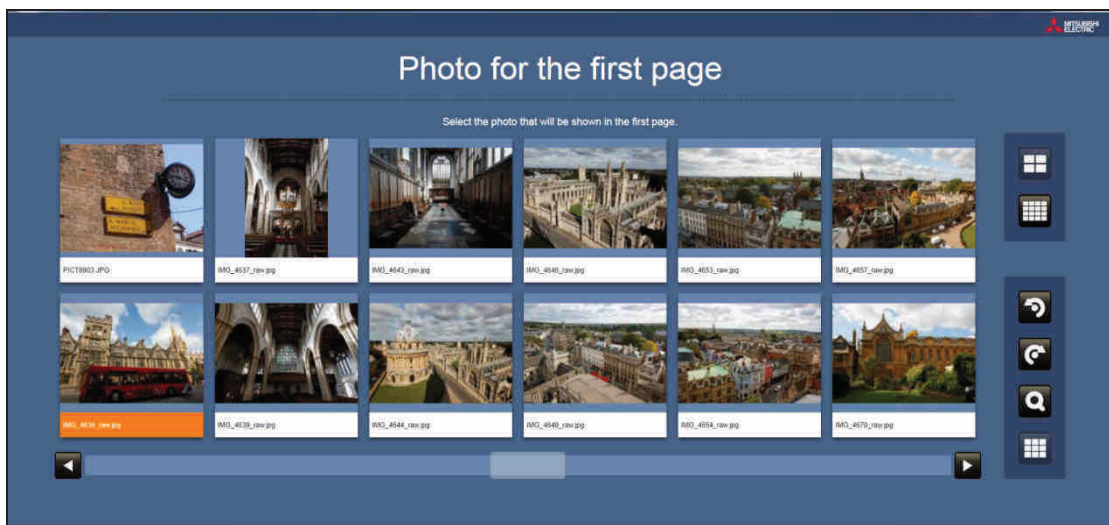
Writing a title for the album

The text that will appear on the cover of the album is entered in this screen:



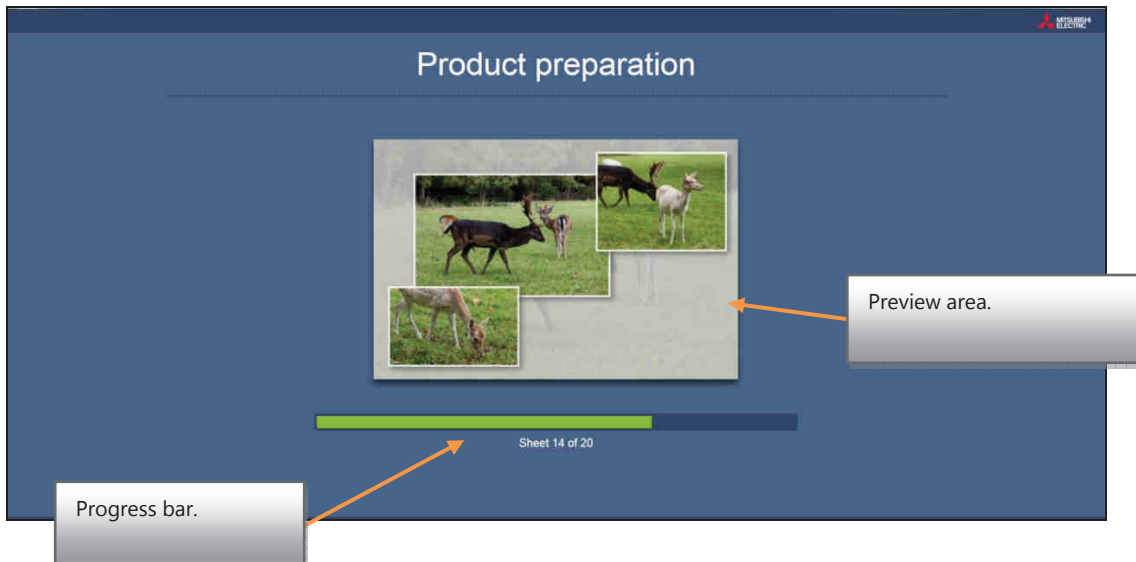
Selecting the cover

After entering the title a screen will appear in which the photo to be included on the cover of the album must be selected.



Automatic composition

In this step the initial composition of the album is automatically made, with all the information furnished during the previous phase.

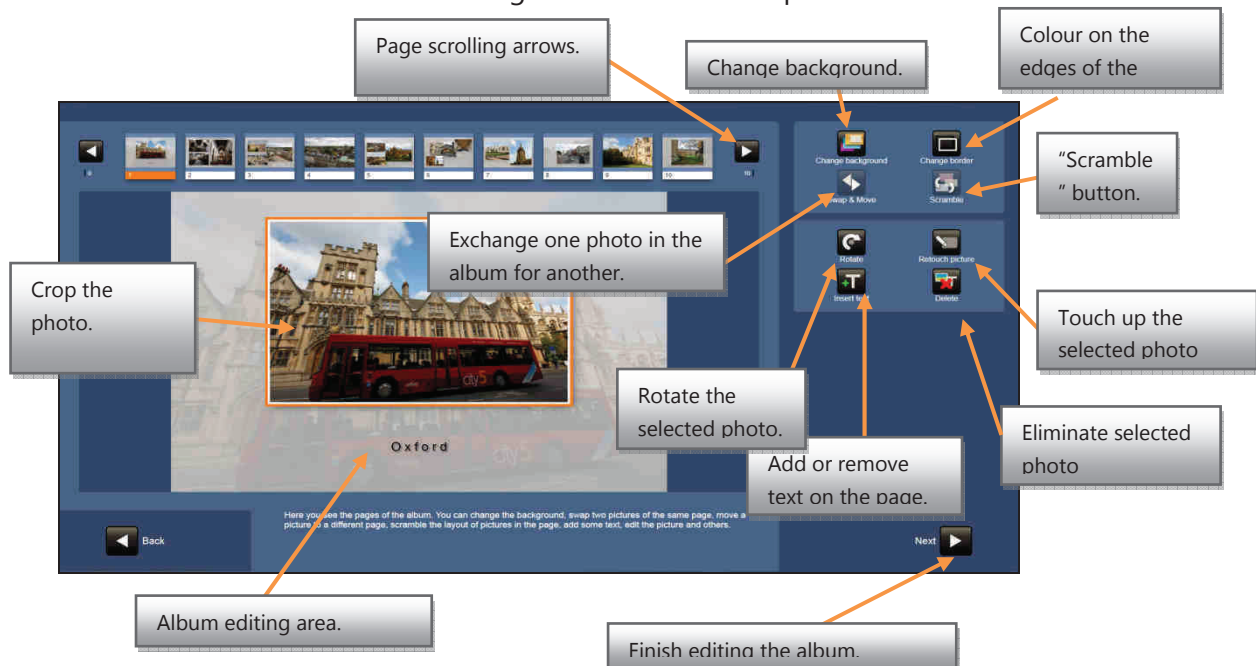


If you cannot read any of the photo files during the process, a message will be shown on the screen and the user will automatically be returned to the photo selection screen for the client to confirm that he wishes to generate the album again, but without including the damaged photos, which are now shown as inaccessible.

On completing this process the user is taken to the album editing screen.

Preview and editing of the product

The edit screen allows the user to make several changes to the album generated automatically. The variety of changes is limited to prevent the client from spending too much time editing, but the different options are studied to ensure that the client always obtains an album that is to his liking within the shortest possible time.



- **Framing the photo in its rectangular space.** This can be done using the controls on the right or touching the photo with your finger and moving its position. In multi-touch screens, not only can the photo be moved but the zoom level can also be adjusted by increasing the distance between your fingers on the photo. This movement is known as "pinch zoom". If the screen is not a multi-touch one, use the controls on the right to adjust the zoom level.
- **"Scramble" option.** Every time this button is pressed, the photos are repositioned differently on the same page, to allow the user to choose between the different layouts.
- **"Delete" button.** One of the photos on the current page is deleted and the layout of the other photos will automatically change to make up for the space left by the deleted one.
- **Move/exchange.** This button allows two different actions to be executed:
 - A photo can be dragged to another one on the same page to exchange them.
 - A photo can be moved from the current page to a different one. To do this, drag the photo to the top and release it on the required page. On releasing it, the change will be made and the layout of the photos on the original page and the new page will also be changed.
- **Change background.** For replacing the current background with another

- **Change frame.** This allows the use to choose between a black or a white frame or no frame
- **Rotate.** Rotate the selected photo.
- **Touch up photo.** This takes the user to the photo touch-up menu
- **Add Text.** When text is added, additional tools appear for moving its position and changing the font size, lettering and colour.

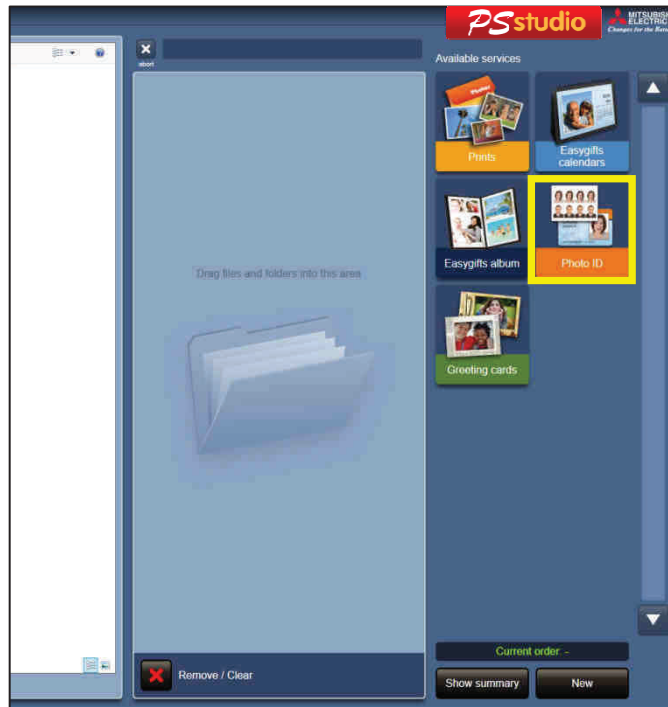
Order summary

Once the changes to the product have been approved and it has been decided which print options will be used, the next screen appears:



When the next button is pressed the printing process starts and the user is returned to the home screen.

3.4 'Identity card photo' service



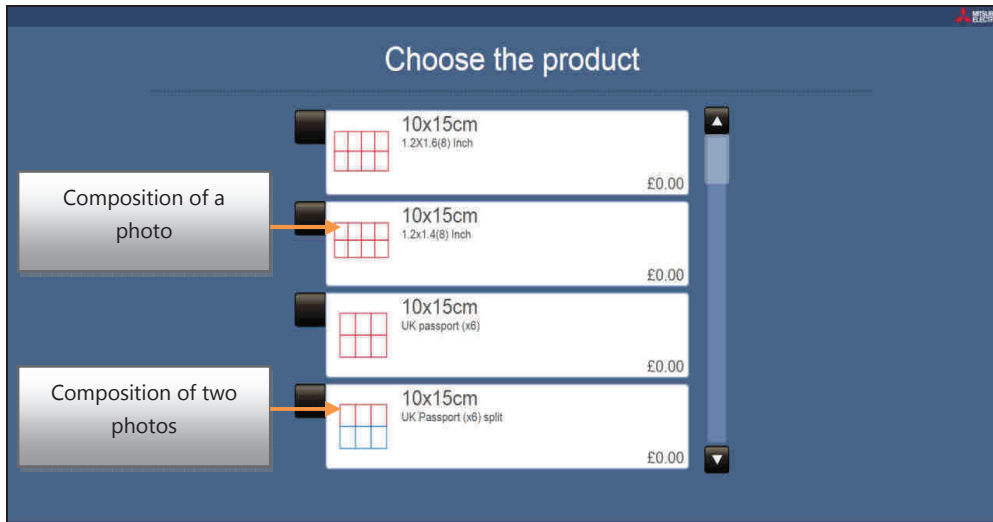
This service allows the user to print a photographic composition for identity documents, passports, wallet-sized portraits, etc.

The operator can combine up to 2 different photographs in the same print, with accessibility to different tools for adjusting the zoom, cropping and cleaning the photo and the option of applying automatic biometric adjustments.

With the “apply automatic biometric adjustments” option activated, the system will process the selected photo and adjust the face to the biometric image associated with the composition. This means time savings for the operator in printing the identity card photograph correctly.

Identity card photo: workflow

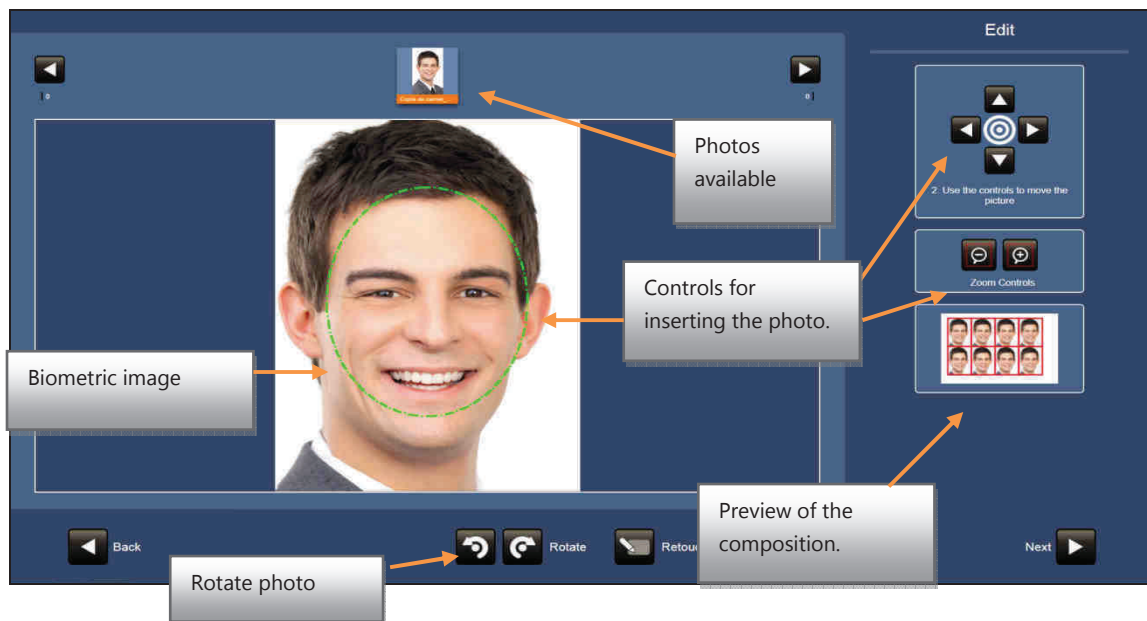
After pressing the option “Identity card photo” in the home screen, this service will be activated. Once the folders with the photographs have been selected the template selection screen will appear.

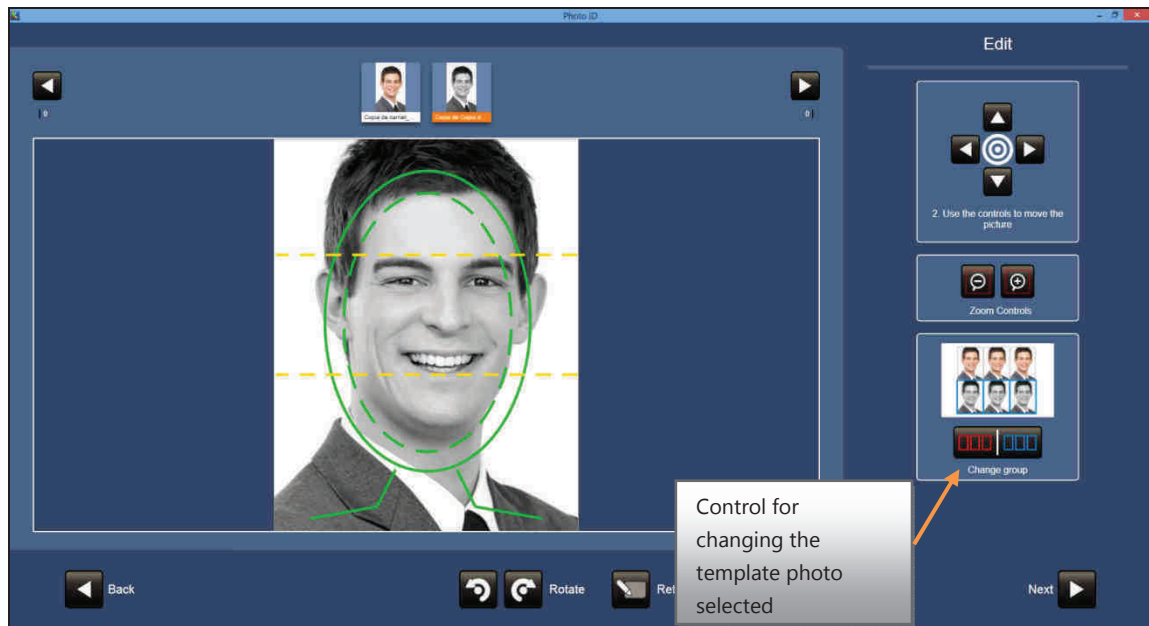


There are two types of templates: standard and split. The split templates (in two different colours) allow up to two different photographs to be combined.

The template prices are determined by the product associated with the template.

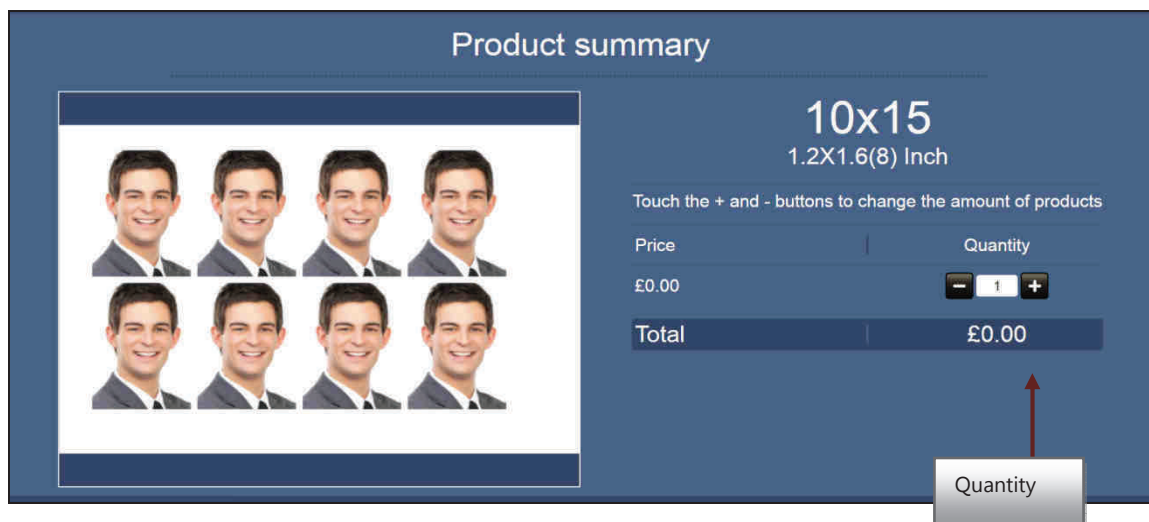
After selecting the template the photographs should be selected. The operator has two buttons with the necessary functionalities to adjust the photo to the biometric image. A preview of the resulting composition is shown at all times.





Once the photos have been inserted and the result is satisfactory, press "Next" to continue.

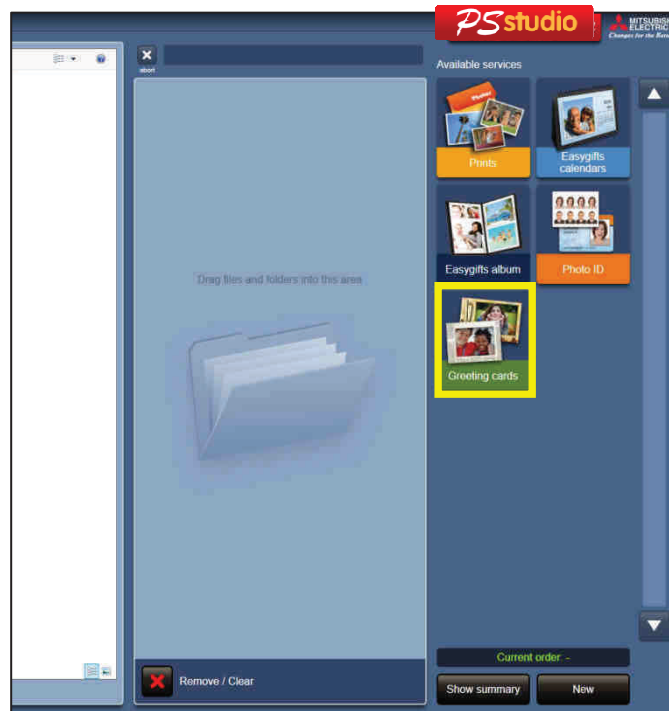
A summary is then shown with a preview of the composition generated. In this screen the operator can select the number of copies to be printed.



Automatic biometric adjustments

With the automatic biometric adjustments option activated in the service configuration (see chapter entitled "Identity Card" service administration' chapter: general configuration'), the system may take longer to show the selected photo. The photo may appear centred and with the zoom adjusted.

3.5 'Greeting cards' service



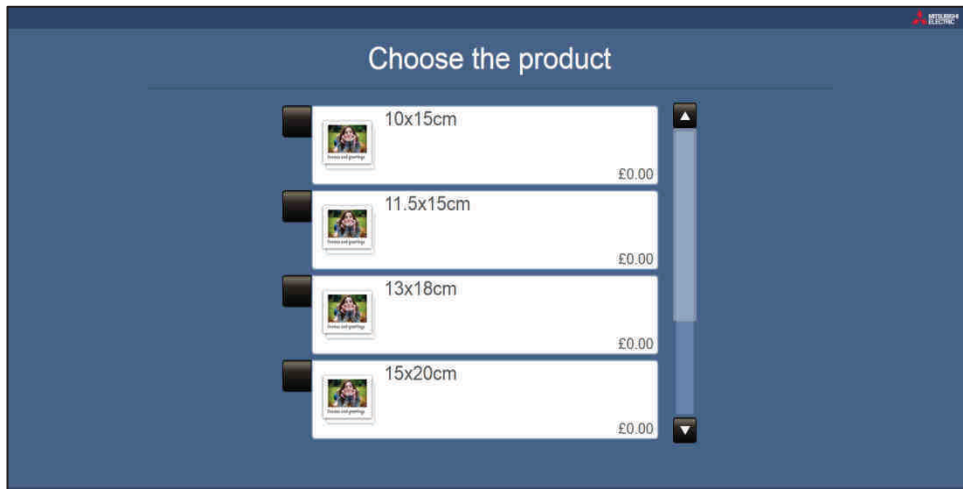
This service allows the client to create different types of products such as Christmas, birth and christening cards, anniversary cards, children's birthday cards, etc. Decorative frames can also be added to the photos and they can be printed in different formats. Having a double-sided printer allows you to offer a more extensive and interesting product range.

Greeting cards: workflow

After pressing the option "Greeting cards" in the home screen, this service will be activated. Once the folders with the photographs have been selected the card selection screen will appear.

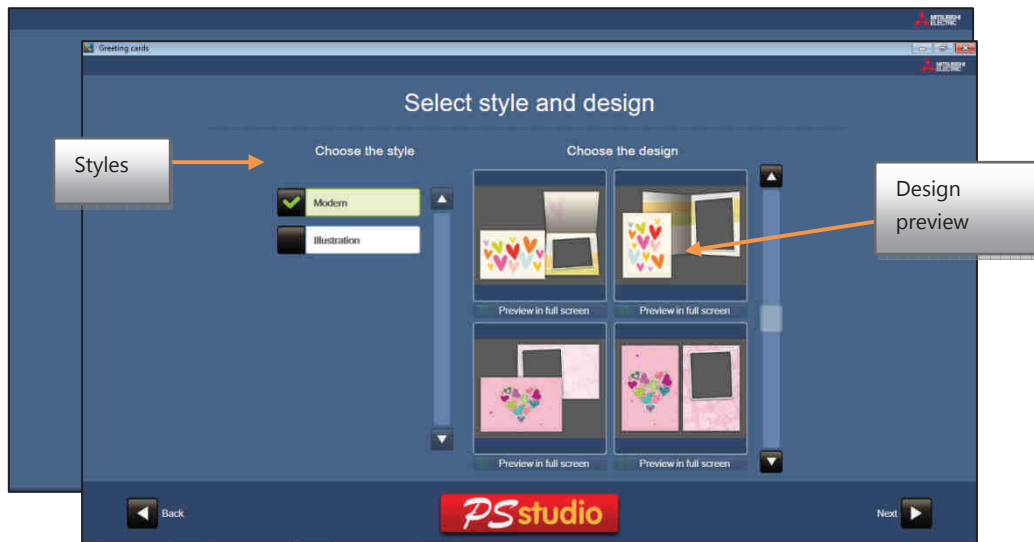


Then the different products will be selected depending on the print size. The price is shown for each product.



After selecting the product the screen with the styles and designs available for the type of product created is displayed. Some designs may be repeated in different styles.

In double-sided products, a miniature of the interior and exterior design is shown.



After selecting the design the edit screen appears, where the photo to be inserted in the design is selected and the necessary adjustments are made.



Certain designs may have a specific text, for instance "Merry Christmas", "Happy holidays" etc. or a default text such as "Enter text". Regardless of the content, the text can always be changed by the end user.

The position of the photo in the frame area can be adjusted by dragging your finger over that part of the screen or using the available controls on the right.

To change the current design, use the design change button. Every time it is pressed the design is changed at intervals in the design group belonging to the same style. The content of the text will not change but the position or the colour of the text will, since this is information provided by the designer in order to always obtain an attractive result.

The Touch-up button allows changes to be made to the photo as already explained in other sections of this manual.

The "Edit Text" button must be pressed to change the lettering, size, colour and shadowing of the font and the content of the text.

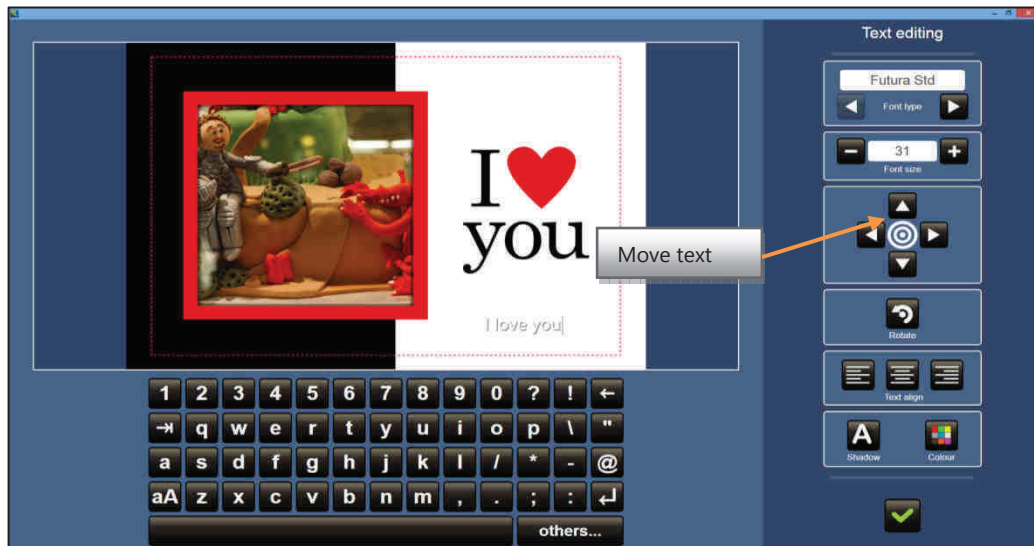
The edit screen has a keyboard at the bottom. As the characters are entered, they are painted in real time on the screen.

The text can be moved by dragging the design directly with your finger or using the arrow keys on the right.

To rotate the text at small angles, touch the rotate button briefly. To rotate at an angle of 90, 180 or 270 degrees keep the button pressed.

As the text allows line breaks to be entered, there are also 3 different text alignment options: left, centred and right.

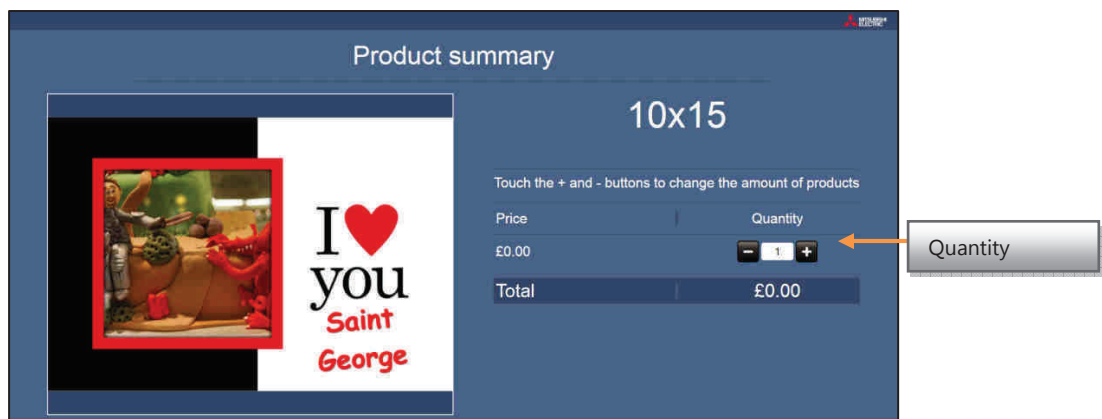
To accept or cancel the changes made to the text in this screen press the validation button in the right bottom corner.



Once the image has been inserted and the text and its characteristics defined, press "Next" to continue.

Ask the client whether he wants to apply automatic improvements to the photos, if it is configured in this mode.

Then a summary of the Greeting card product ordered is shown. The quantity can also be increased. For some products consisting of several cuts of paper (3 or 4 panoramic cards generated from consecutive cuts of an A4 sheet, for instance), this quantity refers to the number of packets and not to the total number of copies.



4 PS studio Configuration

To access the PS studio configuration menu go to the menu at the top of the application in the Direct Accesses section and select Configuration.



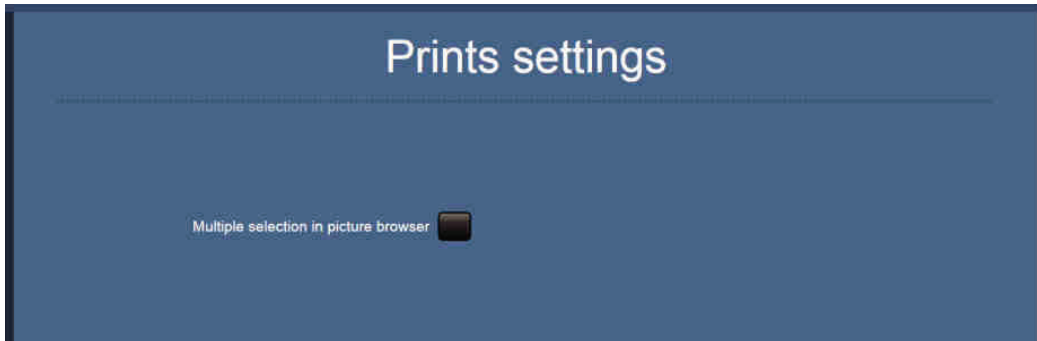
After closing the configuration menu, the user can enter and change certain parameters of the services, such as prices, products to be displayed and the service configuration.



Although the price screen is specific for each service, its operation is the same in all the screens.

4.1 Copy Configuration

Copy service configuration



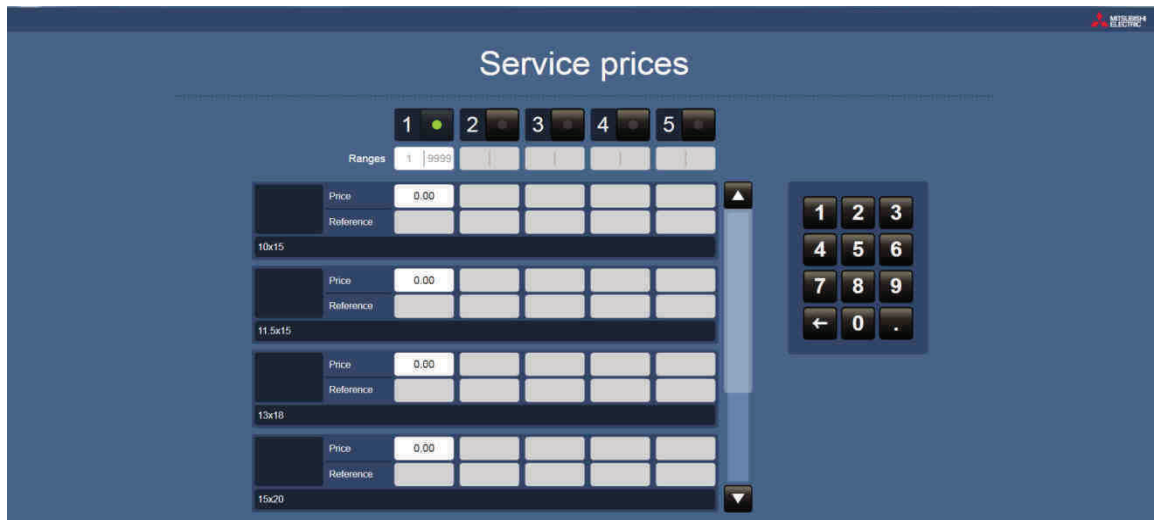
In this screen the photograph explorer behaviour can be changed. With the option "Multiple selection in photos selector" checked, it will change the photo selection operation. Now you can select the photos you want and then select the print size.

Product Configuration



Here the products that will be shown as available or not available are selected.

Price Configuration

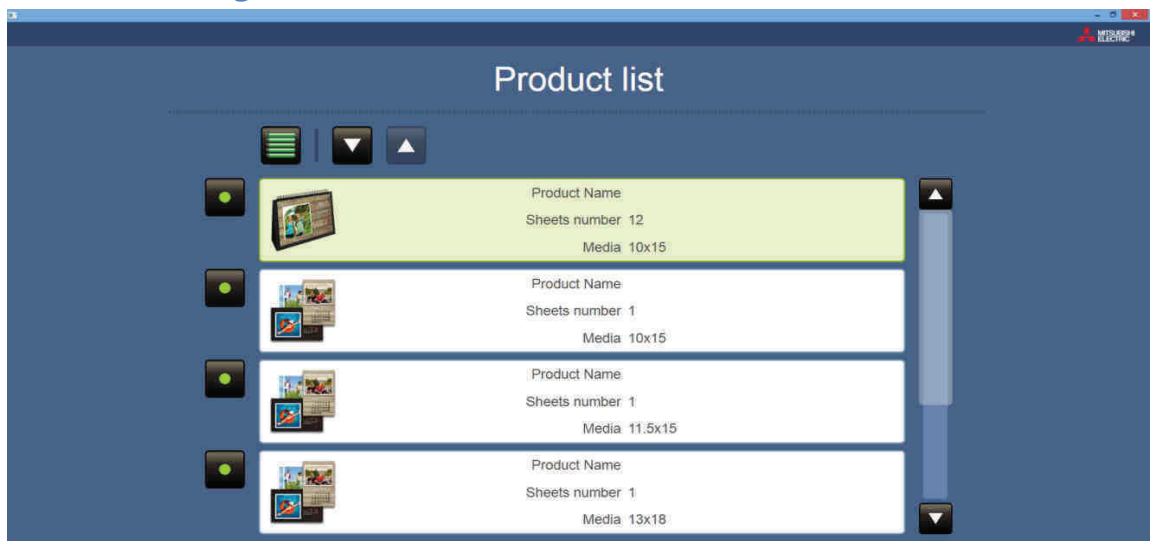


Here the prices can be configured individually for each product and price ranges can be added, depending on the number of copies.

The reference field is disabled and so it cannot be configured.

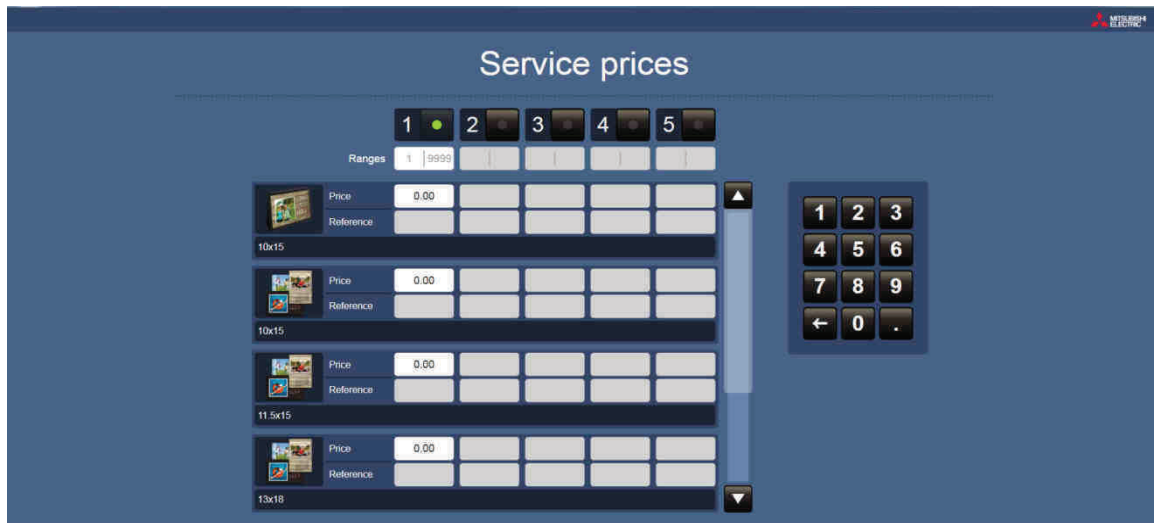
4.2 Easygifts Calendars Configuration

Product Configuration



In the Easygifts Calendars service configuration the products to be shown when configuring the Calendar can be selected.

Price configuration



Here the prices can be configured individually for each product and price ranges can be added, depending on the number of copies.

Regional settings of calendars

The Calendar Localization is a software application that allows to setup the regional settings of calendars. This application is available in the Photosuite group of applications. In systems running Windows 7 it can be found at Start Menu / All Programs / Photosuite / Calendar Localization.

With this tool it's possible to change some parameters like the name of months and days of the week per each language, and also the non working days of the week.

The most of these parameters are taken from the Operating System, so it's not really necessary to enter this application unless it's required to show the specific holidays of the year in the calendar.

Please follow these steps to setup the holidays in the calendar.

1. Start the application.

The screenshot displays the 'Calendar Localization' application interface. It is organized into several sections:

- Select Language:** Features two radio buttons: 'All Languages' (selected) and 'Calendar Languages'. Below is a dropdown menu showing '[en-GB] English (United Kingdom)'.
- Months:** A grid of 12 text input fields, each with a month name on the left and a corresponding text box on the right (e.g., January, February, ..., December).
- Week Days:** A grid of 7 text input fields, each with a day name on the left and a corresponding text box on the right (e.g., Monday, Tuesday, ..., Sunday).
- First day of the week:** Two radio buttons: 'Sunday' and 'Monday' (selected).
- Non Working Days:** Seven checkboxes for the days of the week: Monday, Tuesday, Friday, Wednesday, Thursday, Saturday, and Sunday (checked).
- Holidays:** A calendar view for 'octubre de 2012' with days of the week (lu, ma, mi, ju, vi, sa, do) and dates (24-30). To the right are 'Add' and 'Delete' buttons. Further right are 'Restore', 'Delete File', 'Save', and 'Exit' buttons.

2. Select the regional language that you want to customize for calendars application. Make sure you have "All Languages" option selected.

Select Language

All Languages Calendar Languages

[en-GB] English (United Kingdom)

3. It is possible to change the complete name for months and abbreviations for days. Normally it is not necessary to do that.

Months

| | | | | | | | |
|-----------|-----------|----------|----------|----------|----------|----------|----------|
| January | January | February | February | March | March | April | April |
| May | May | June | June | July | July | August | August |
| September | September | October | October | November | November | December | December |

Week Days

| | | | | | | | |
|--------|----|----------|----|-----------|----|----------|----|
| Monday | Mo | Tuesday | Tu | Wednesday | We | Thursday | Th |
| Friday | Fr | Saturday | Sa | Sunday | Su | | |

4. The first day of the week and non working days can also be changed.

First day of the week

Sunday Monday

Non Working Days

Monday Tuesday Friday Wednesday Thursday Saturday Sunday

5. The most important part is to define the bank holidays during the year in the area provided for this purpose. Choose the month and year in the calendar shown on the left hand side, using the arrow keys.

Holidays

Navigation arrows

October 2012

| Mo | Tu | We | Th | Fr | Sa | Su |
|----|----|----|----|----|----|----|
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | 1 | 2 | 3 | 4 |

Add

Delete

2012

- 06/12/2012
- 08/12/2012
- 25/12/2012
- 26/12/2012

2013

- 01/01/2013
- 01/05/2013
- 01/11/2013
- 06/01/2013
- 06/12/2013

Mark the bank holiday and press 'Add'. The day will be shown in the list on the right, in the corresponding year group. To correct it, press 'Delete'

This way you can configure the calendars for all the years you want.

To undo all the changes and restore the default values for the current language and delete all the bank holidays, press 'Restore'.

6. Lastly, press the 'Save' option to make the changes. If you want to edit any of the calendars at any time, select the respective language in the 'Calendar Languages' list.

Restore

Delete File

Save

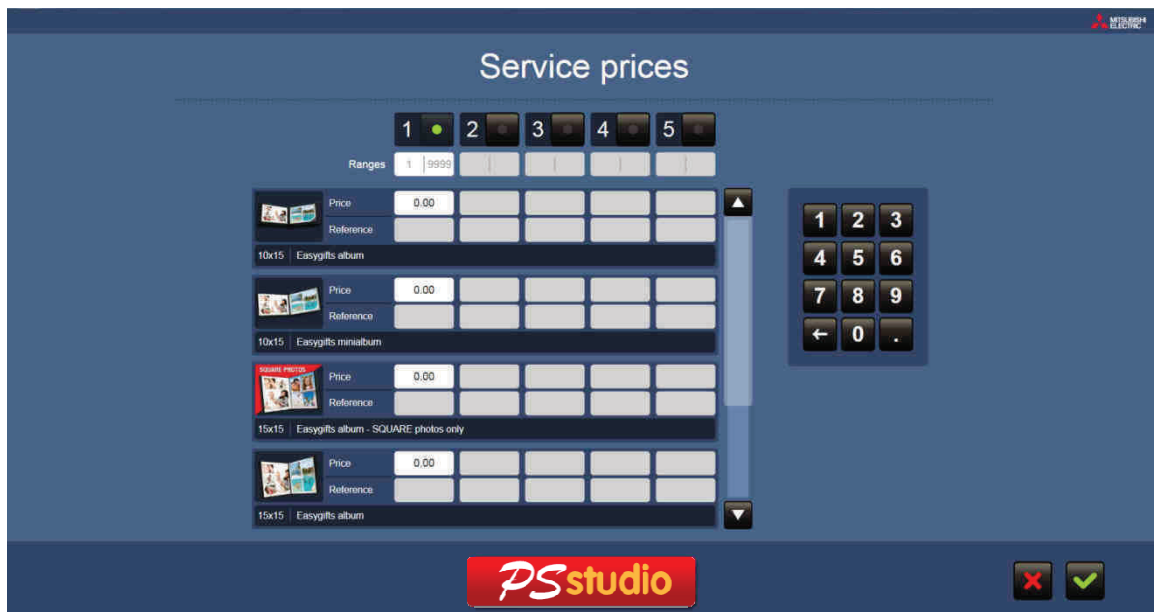
4.3 Easygifts Album Configuration

Product Configuration



Here the products that will be available for the Easygifts Album service can be selected. The selection can be made by print size and number of pages.

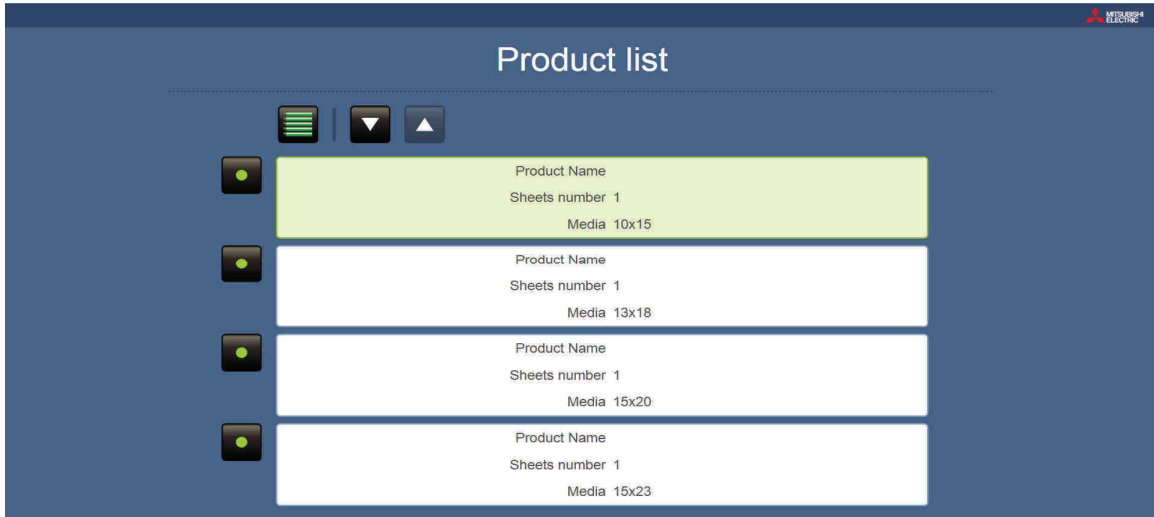
Price configuration



Here the prices can be configured individually for each product and price ranges can be added, depending on the number of copies.

4.4 Identity card photo configuration

Product configuration

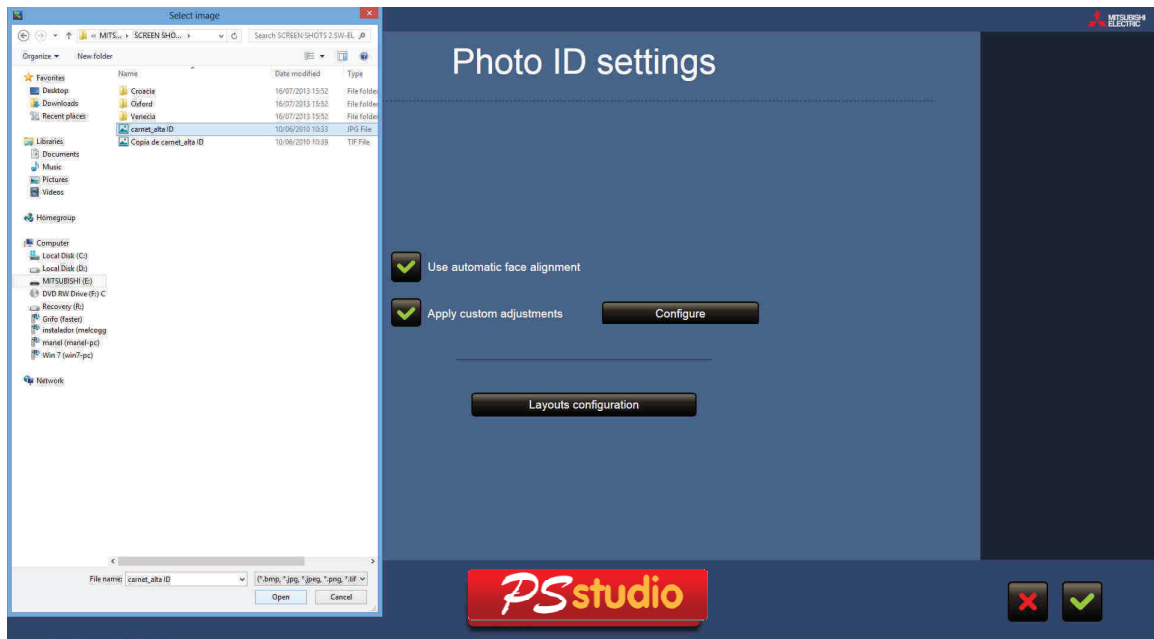


Identity card photo configuration



Exclusive options of the Identity Card Photo service can be configured in this menu. The image at the top shows the configuration screen by default. If the option "Use of automatic face alignment" is unchecked, this operation must be executed manually.

On the other hand if you activate the option "Apply customised adjustments" the "Configure" button will be activated. When it is pressed, a Windows explorer window will appear where the user can select a photo for use as a reference.



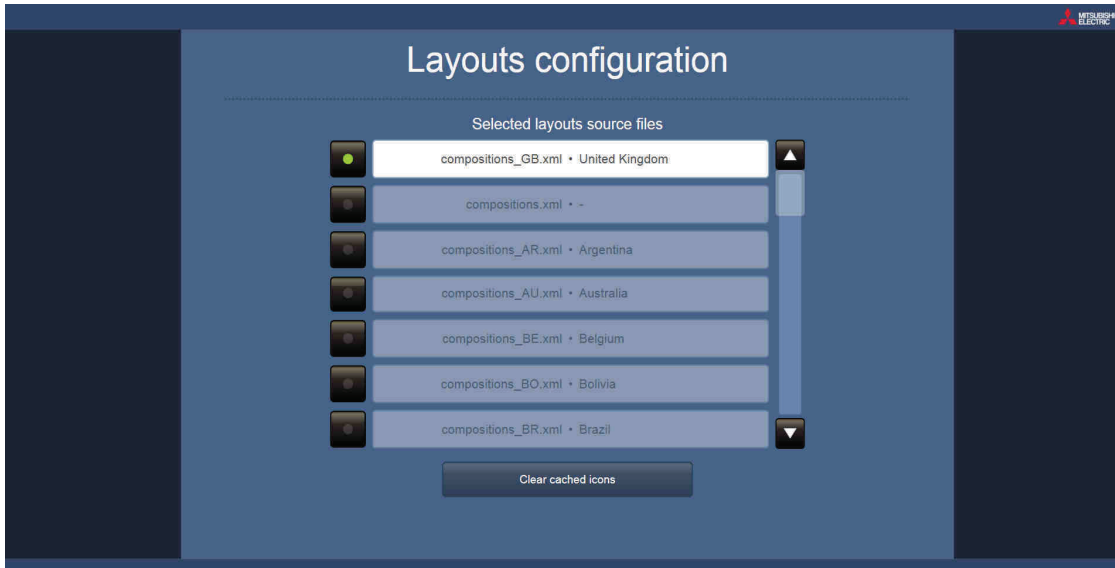
After selecting the photo to be used as a reference, a new menu will appear:



Here you can adjust the photo colour values manually and the saturation, contrast and brightness parameters.

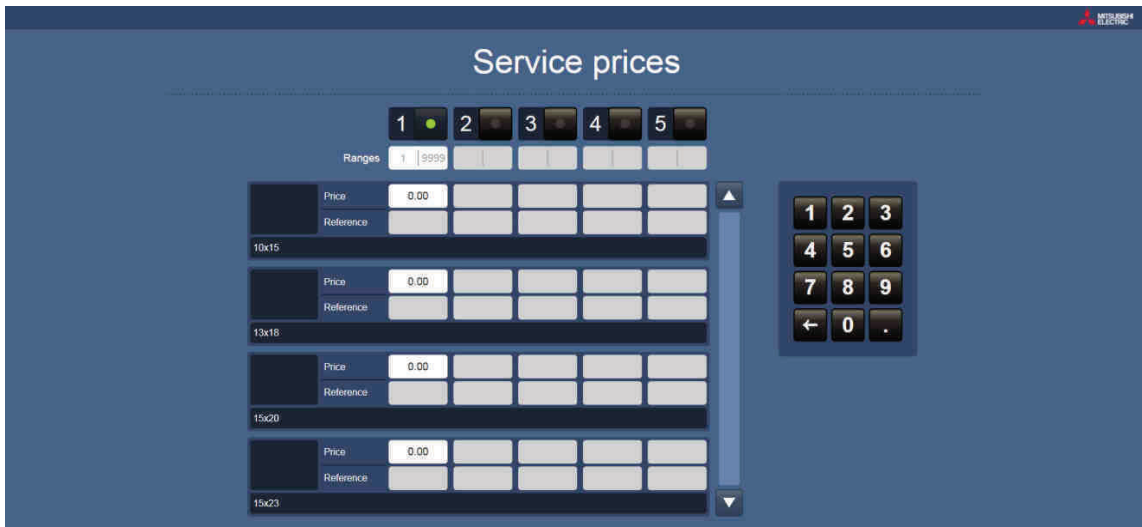
If you want, press the "Automatic Adjustments" button and PS studio will adjust the values for you.

Press the "Print" button to send the photo for printing and see the result of the adjustments on paper. If correction is needed, continue to adjust the parameters.



Lastly, the user can configure the templates that will be available for providing the Identity Card Photo service. The templates displayed can be activated and deactivated.

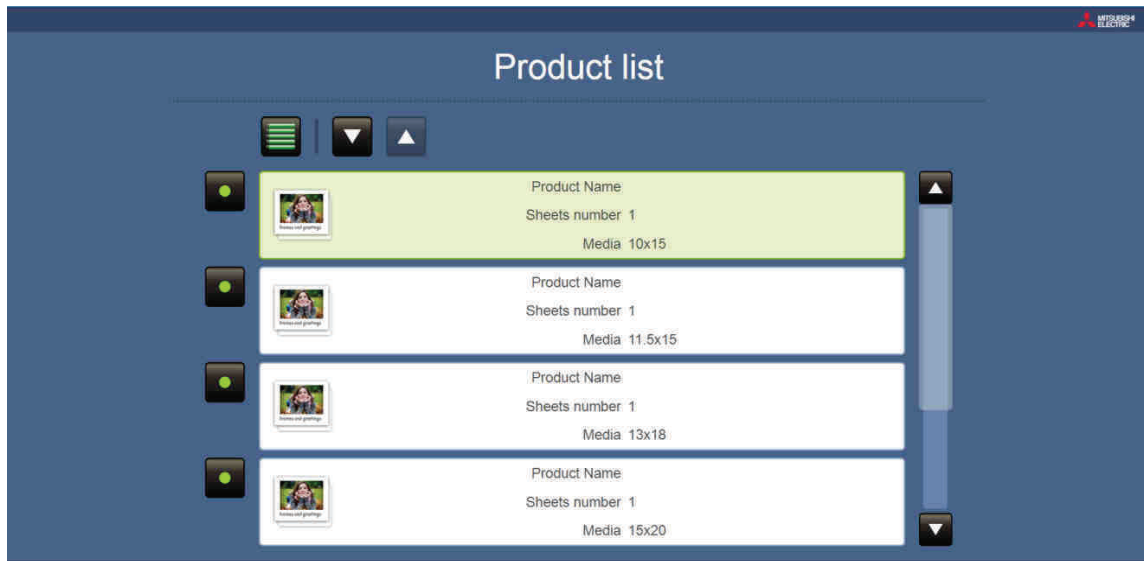
Price configuration



Here the prices can be configured individually for each product and price ranges can be added, depending on the number of copies.

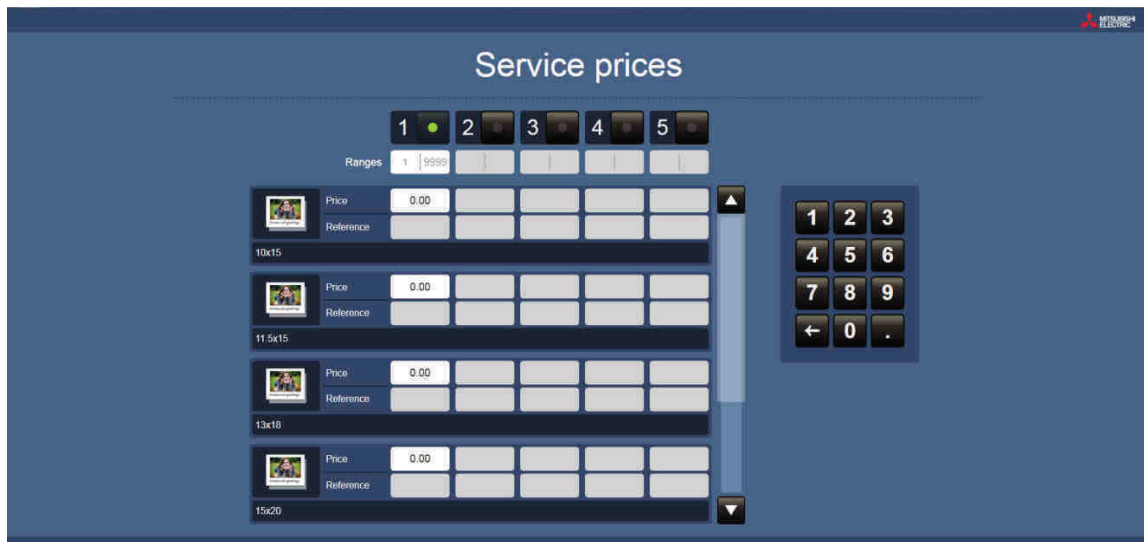
4.5 Greeting cards configuration

Product configuration



The size of each style and collection that will be available can be selected here. For instance, you can offer Greeting Cards with a size of 10x15 for only a specific collection, but other different sizes for another collection.

Price configuration



Here the prices can be configured individually for each product and price ranges can be added, depending on the number of copies.



Thank you for choosing this Mitsubishi Electric® product

More information is available at

<http://www.mitsubishiphotosuite.com/>



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Adobe and Adobe Photoshop are registered trademarks of Adobe Systems.

The different software packages mentioned in the manual are commercial marks registered in their respective companies.

Annexe I – Installation

1 Requirements

For the correct operation of "PS suite" the following elements are included in the installer:

- Printer driver.
- Microsoft .NET Framework 4.0
- Microsoft C++ Redistributable 2008 - x86.
- Microsoft C++ Redistributable 2010 - x86.
- In equipment with 64-bit operating systems, the Microsoft C++ Redistributable 2010 - x64.
- The PS suite applications.

In addition the following is necessary:

- Microsoft Internet Explorer (upgraded).
- VERY IMPORTANT: system date and time interval correct. Otherwise certain applications will not function correctly.

Please ensure that your computer is correctly updated through "Windows Update". Otherwise the application might not function correctly. If you are in doubt, consult your Windows ® operating system manual.

Check the availability of new versions or important information about the MITSUBISHI ELECTRIC software at www.mitsubishielectric-printing.com.

"PS suite" is compatible with the following operating systems: Windows 8.1, Windows 8, Windows 7 and Windows Vista.

To install the PS suite software the user must be the machine administrator or have administrator permits.

Make sure your operating system has all the available updates.

| Operating system (32-bit, 64-bit) | | Minimum system requirements | Recommended system requirements |
|-----------------------------------|------------------------|--|--|
| Processor | | | |
| | | Intel® Core™2 Duo Processor or a more recent one | Intel® Core™ I5 Processor or a more recent one |
| RAM | | 2 GB | 4 GB |
| Free space on disk | | 2 GB | 4 GB |
| Software | | NET Framework 4.0 | |
| Connectivity | Compatibility with USB | USB 2.0 HS | |
| | USB cable | Certified USB 2.0 cable with a length of less than 2 metres. | |

2 Installation process

The PS Suite solution installer has different applications: the Printmodule printer server, which is common for the other main applications, and PS studio, PS events and other related software tools.

In the event of having earlier versions of these applications installed, it will not be necessary to uninstall them beforehand, unless they are very old versions (such as Photosuite 2.0 or Ps studio 2.1), in which case the installation process will make it necessary to uninstall them first. In all cases, when uninstalling the software, all additional decoration packages will be eliminated, for which reason they will have to be reinstalled after completing the updating process.

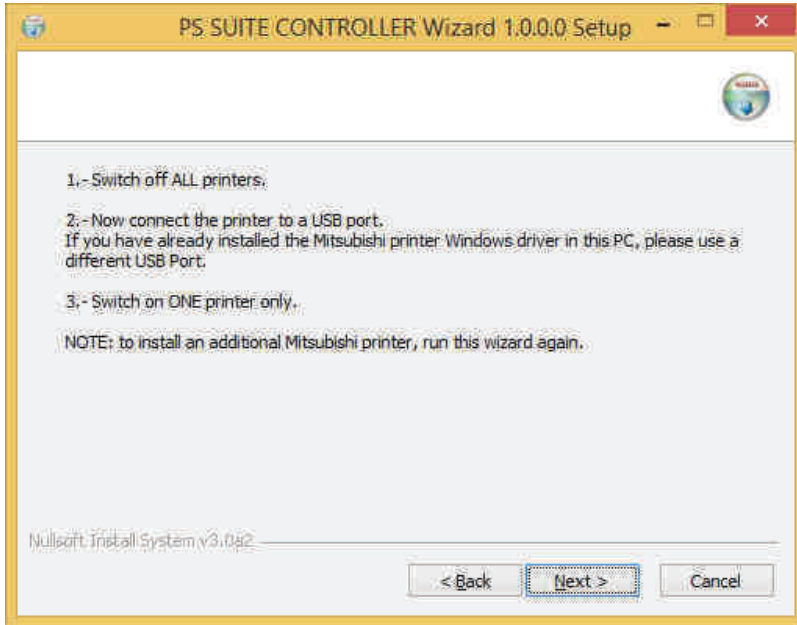
IMPORTANT:

- Connect the Mitsubishi printer to a USB 2.0 port of your computer before starting to install the software.
- If already using the printer with other third-party applications through the standard Windows driver, please connect the printer to a different USB port.
- Before starting the installation process make sure the printer has paper and ink and that no error message is displayed.
- Do not connect more than one printer at the same time if doing this for the first time.
- If after installing the printer, it is then connected to a different USB, you will probably have to reinstall it. To do this, see chapter 2 of this annexe.

Then execute the main installation assistant. It may have different names, depending on the application version, but it will normally be "[Application name]_Setup.exe".

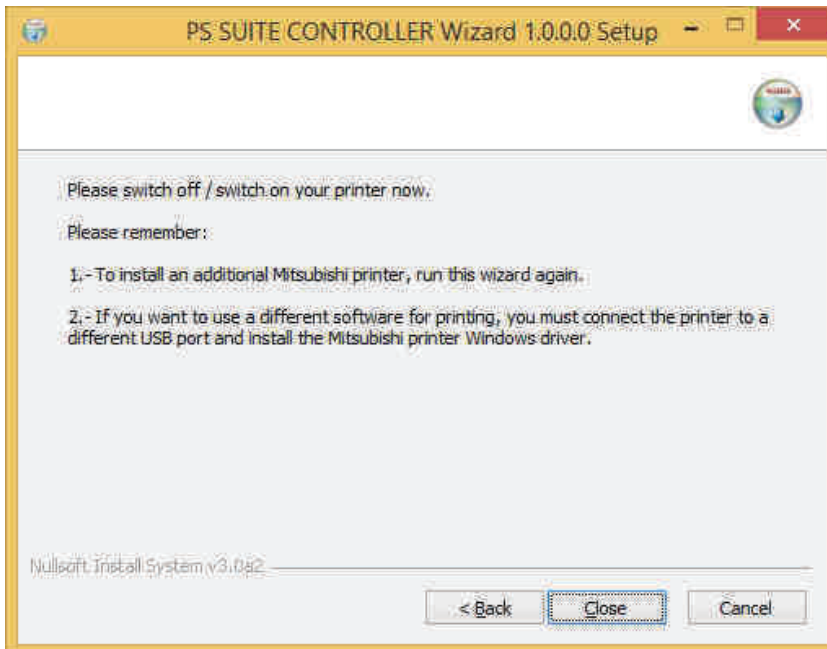
The printer installation assistant will be executed during the installation process.

Annexe I. Installation

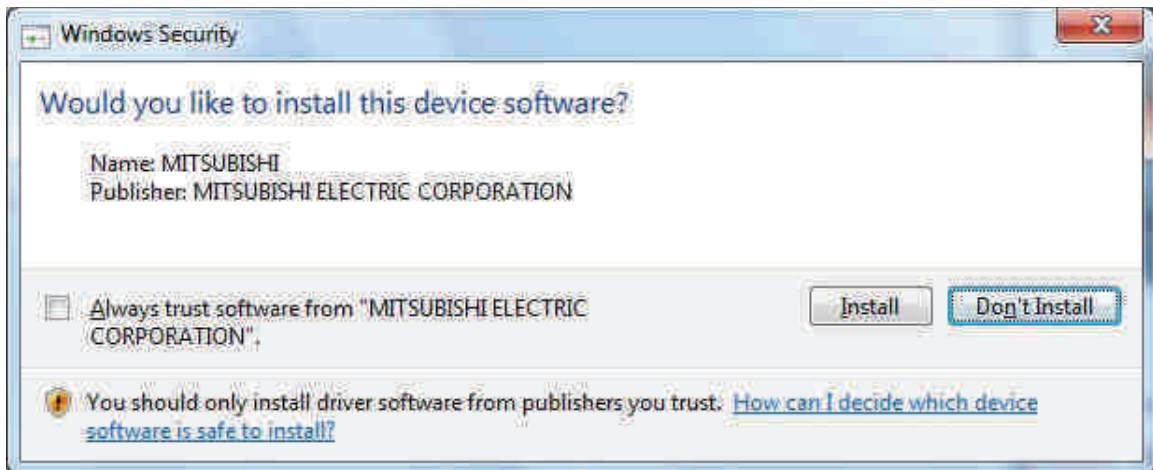


Follow the steps indicated by the assistant.

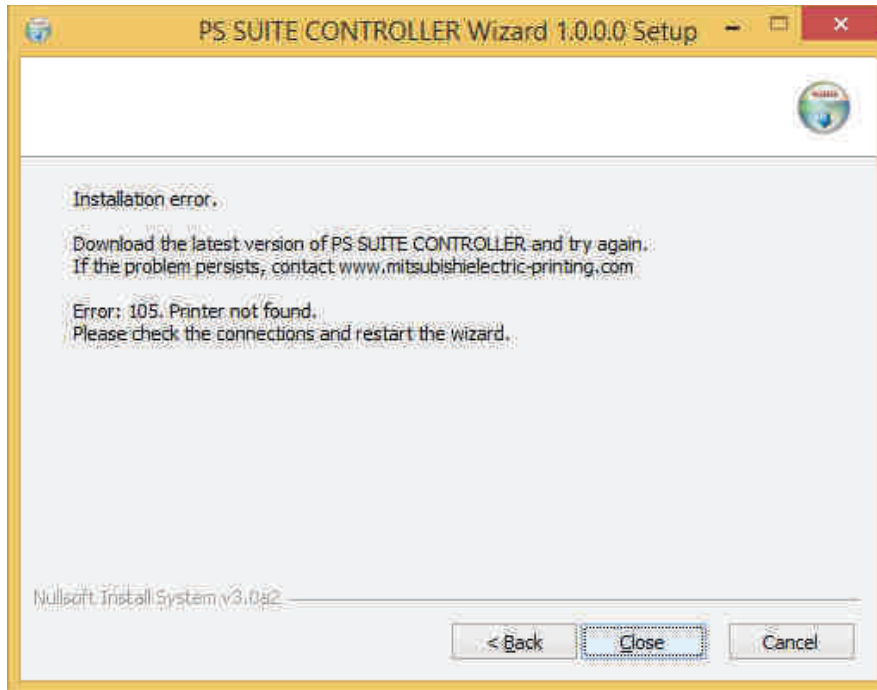
When the printer has been correctly installed, the following screen will be displayed informing you of the following steps to be taken:



If the following message appears, press "Install" to confirm the driver installation.



If for any reason the installation has not been executed correctly, an error message will appear telling you what to do to solve the problem.



If the printer was not connected when starting the installation process, a message may appear with an error code and a description. These codes are described in the following table.

| CODE | DESCRIPTION |
|------|---|
| 100 | Installation error. |
| 101 | Installation error. No administrator privileges |
| 102 | Installation error. Restart the system. |
| 200 | Error. Software already exists |
| 201 | Error. Printer not connected. |
| 202 | Error. Driver files not located. |

If no error message appears, the driver will have been successfully installed: the installation process can be continued in the normal way.

If the printer driver is properly installed, the printer will be displayed in the Windows devices administration panel as "MITUSBISHI USB Printer".



On the contrary, if a problem has arisen during the driver installation process and you decide to continue installing the software anyway, press "Close" (the "Cancel" option will interrupt the PS Suite installation process). It is possible to install the printer driver separately by hand, as explained in the following section.

After this first part about installing the printer drivers, the global PS Suite installation process continues to install the rest of the applications, if the user has not cancelled it.

If you have installed a non-activated test version and you already have a licence to activate the application, see the annexe entitled "Software activation".

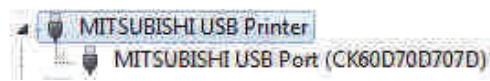
3 Manual installation of the printer driver

3.1 Connecting a new printer

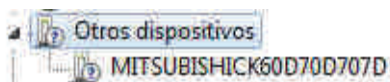
If you are connecting a new printer for the first time, you will have to reinstall the printer driver.

To find out whether or not the printer has been correctly installed:

If the printer driver is properly installed, the printer will be displayed in the Windows devices administration panel as "MITUSBISHI USB Printer".

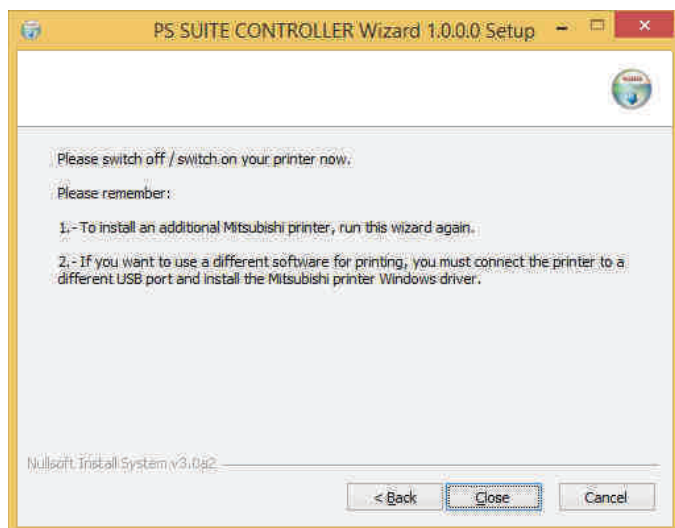
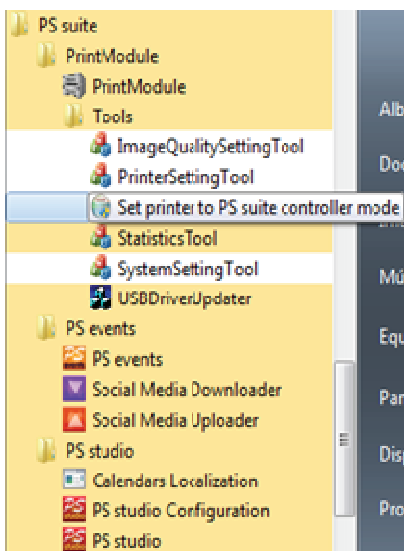


If the printer controller is not installed, the printer will be shown as "Other devices" in the Windows devices administration panel.



The "PS Suite Controller" installation assistant is located in the Home Menu -> Programmes -> PS suite -> Printmodule ->Tools -> Set printer to PS suite controller mode.

Execute the installer and follow its instructions.

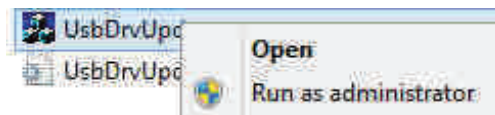


3.2 Connecting the printer to a USB port that is different from the one used during the installation.

If you connect a printer to a USB 2.0 port that is different from the one used during the installation, you will have to reinstall the driver.

You can only execute the tool described in the previous section in this case, or a simpler and faster one (because the printer has already been installed in the system), the "USB Driver Updater".

To install the driver, **execute** the "USB Driver Updater" programme **in the administrator mode**. It is in the installation folder, for instance "C:\Program Files (x86)\PSSolutions\PrintModule\USBDriver\".



4 Uninstalling

To correctly uninstall the PS suite application, stop or cancel all printing jobs in progress. Then go to the Windows control panel in the Programmes and Characteristics section, select "PS suite" and press uninstall.

Annexe II – Software activation

1 Introduction

A software licence is required for the permanent activation and execution of the software in a piece of equipment.

If the activation has not been made, the software will remind you that it must be activated.

The software can be executed in trial mode for a few days. The trial period may vary, depending on the software.

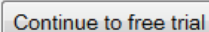
Once the trial period has expired the software should be activated to continue executing it in the equipment.

For more information about activating the software please consult your habitual supplier.

2 Executing the software during the trial period

If you have not yet activated the software or do not have a licence, the application can be executed in trial mode during the trial period.

To try out the software, select the option "Continue to free trial" in the PS events software screen that tells you to activate the software.

A rectangular button with a light gray background and a thin border, containing the text "Continue to free trial" in a dark gray font.

The application will always tell you that you have two trial days left, and if the trial period has started, the date on which it expires.



The trial period term commences when you first select the option "Continue to free trial".

If you have not selected the option "Continue to free trial" the application will continue to tell you that you have a five-day trial period.

3 Activating the software through a HASP USB device

If you have a HASP USB device that has a software licence, just connect the HASP device to a USB in your computer and execute the software.

You will not be asked to make any software activation while the HASP USB device is connected to the computer and you will be able to execute the software without limitation.

Not all the PS Suite applications function with a HASP USB device. Ask your usual MITSUBISHI ELECTRIC photographic products dealer for information.

If you forget to connect the HASP USB device before executing the software, it will warn you that it must be activated and if the trial period has expired, it will not allow you to execute it. To solve this problem, reconnect the HASP USB device.

If you disconnect the HASP while the software is being executed, the software will stop functioning.

4 Activating the software through a licence key

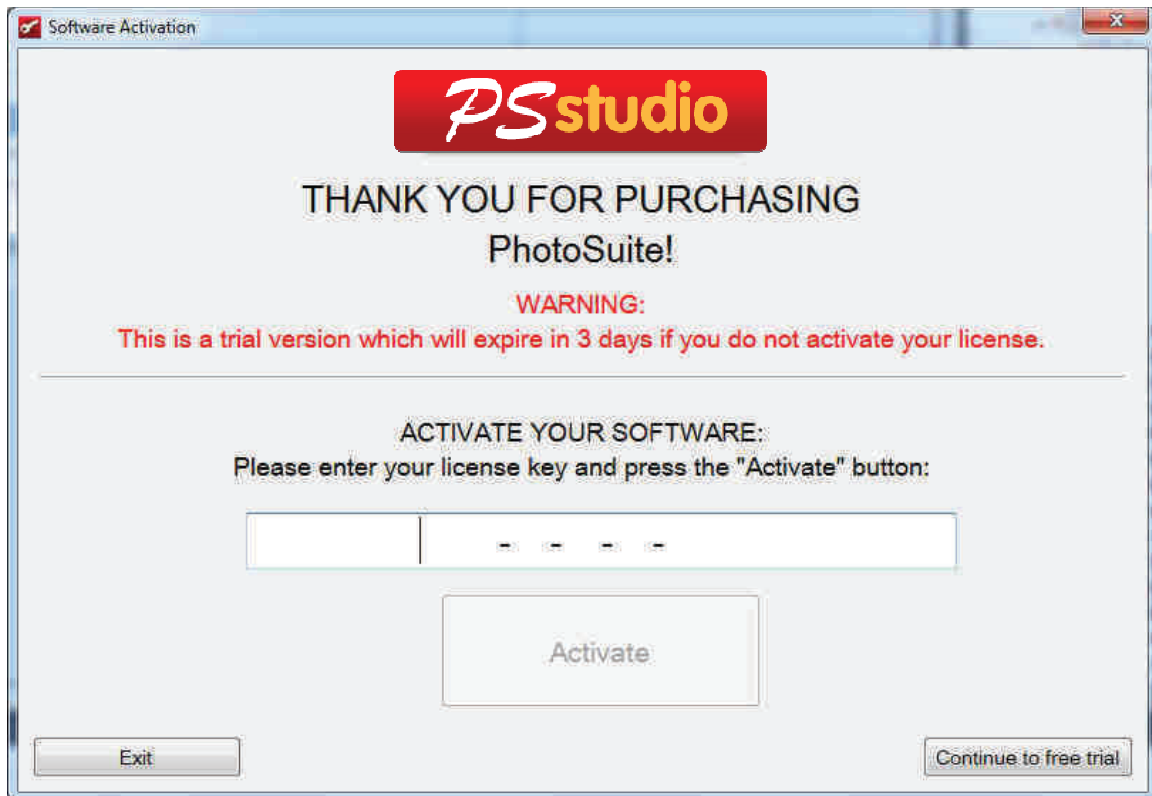
If you have a licence key, proceed as follows to activate the software.

The activation process will vary depending on whether your computer has internet access or not.

If the computer in which the software is to be activated has no internet access, you will have to access the internet with another computer with internet access to complete the activation process.

4.1 Activating equipment with internet access

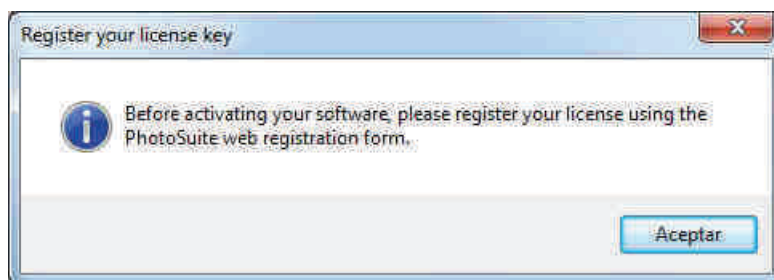
If your computer has internet access and you have not yet activated the software, when the process starts the following screen will be displayed:



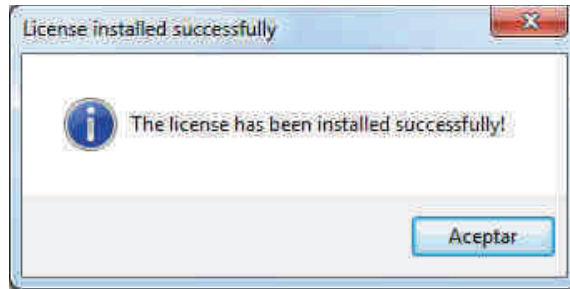
The steps for online activation of the software using a licence key are described in the following section:

1. Enter your licence key and select the option "Activate".
2. If you have not registered previously the system will ask you to register your key in the register website.

On selecting "Accept" the registration form will open up automatically in your predetermined browser.



3. Once you have registered in the register website, return to the software and select the option "Activate" again.
4. The software activation process will start.



4.2 Activating equipment with no internet access

If your computer has no internet access and you have not yet activated the software, when the process starts the following screen will be displayed:



The procedure for activating the software with a licence key in a computer with no internet access is set out below.

In this activation process you should use another computer which does have internet access:

1. On executing the software, select the option "Obtain "SW ID"" in the "Step 1" tab.

Store the file generated in a safe place, as you will need it for the next step.

2. Access the website <http://www.mitsubishiphotosuite.com/register> with the computer that has internet access, to register your licence key and obtain a

Annexe II. Software activation

licence file that will enable you to activate the computer without internet access.

To generate the licence file the web form will ask you for your product key and the "SW ID" file generating during the first step.

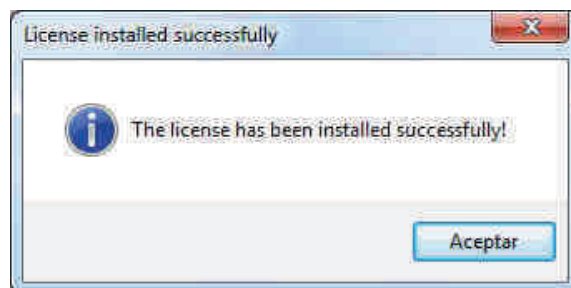
The licence file downloaded during the last step of the web registration process will also be sent to the e-mail address you entered when registering.

3. The next step is to activate the software with the licence file generated in the previous step.

To do this execute the software again and select the option "Activate" in the "Step 2" tab.

In the open file box select the licence file obtained during the previous step and select the option "Open".

4. The software activation process will start.



Annexe III – “PrintModule”

| | |
|---|----------|
| ANNEXE III – “PRINTMODULE” | 1 |
| 1 INTRODUCTION | 3 |
| 2 OPERATION | 4 |
| 2.1 PRINTMODULE SCREEN | 5 |
| 2.2 PRINTER INFO..... | 6 |
| 2.3 AVAILABLE PRINT FORMATS..... | 6 |
| 3 CONFIGURATION | 7 |
| 3.1 ACCESS TO CONFIGURATION TOOLS..... | 7 |
| 3.2 SYSTEMSETTING TOOL..... | 7 |
| 3.3 PRINTER SETTING TOOL..... | 8 |
| 3.4 IMAGE QUALITY SETTING TOOL..... | 9 |
| 3.5 STATISTICS TOOL..... | 10 |

1 Introduction

The PrintModule is entrusted with controlling the queue of printing jobs generated by the main applications, and with preparing, sending and controlling individual printing jobs for each printer that is connected.

The Mitsubishi printer models supported by the PrintModule are:

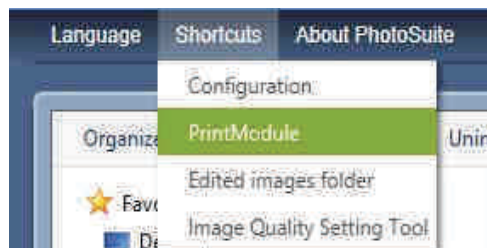
- CPK60DW-S Series
- CPD70DW/-S Series
- CPD707DW/-S Series
- CPD80DW/-S Series
- CP3800DW
- CPW5000DW

The maximum number of printers supported or connected simultaneously by the PrintModule is 2.

The CPD7070DW/-S printer will be detected as 2 printers, and so you will not be able to connect any more printers.

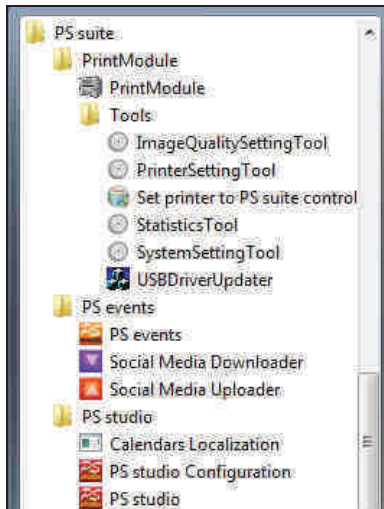
For **Matte** printing with the CPD80DW/-S printer, select the **SuperFine** print quality.

To access the PrintModule go to the menu at the top of the application in the Shortcuts section and select PrintModule.



The PrintModule can also be accessed by left-clicking on the icon on the right of the system toolbar, or through the 'PS Solutions' applications group in the system home menu (the different access routes will depend on the operating system version).

A series of setup utilities associated with the PrintModule is provided (see image), which are described later on.



2 Operation

When the main software (PS events or PS studio) is started up manually, PrintModule is automatically started up and is displayed in a minimised form on the operating system toolbar.

If this automatically closes when the PrintModule is started up, check that the printer is connected to a USB 2.0 port and on, and if it is, that the printer information detected by the PrintModule is correct (see the 'Printer info' section below).

2.1 PrintModule Screen

The PrintModule screen displays the job information, a description of the job, the output format, the total number of prints, the order date and the printing progress.

The screenshot shows the MITSUBISHI PrintModule window. At the top, there are buttons for 'Printer Info.', 'Resume', 'Pause', 'Pause & Next', 'Delete(List only)', and 'Close'. Below these buttons is a table with the following columns: Order Number, Service, Size, Prints, Completed prints, Status, Order Date/Time, Completed Date/Time, Printer, and Printer Status. The table contains six rows of job data. Callout boxes provide detailed instructions for each button and column.

| Order Number | Service | Size | Prints | Completed prints | Status | Order Date/Time | Completed Date/Time | Printer | Printer Status |
|--------------|------------|----------|--------|------------------|-----------|----------------------|-----------------------|---------|----------------|
| 17 | EASYALB... | 10x15... | 60 | 4 | Paused | 9/12/2013 3:35:34... | | | |
| 18 | PRINT | 10x15... | 9 | 0 | Paused | 9/12/2013 4:01:44... | | | |
| 19 | EASYALB... | 15x15... | 20 | 0 | Paused | 9/12/2013 4:04:28... | | | |
| 20 | PRINT | 10x15... | 11 | 0 | Paused | 9/12/2013 4:06:56... | | | |
| 21 | PHOTOID | 10x15... | 1 | 1 | Completed | 9/12/2013 4:17:45... | 9/13/2013 10:26:31... | | |
| 22 | CALENDAR | 10x15... | 1 | 1 | Completed | 9/12/2013 4:03:35... | 9/13/2013 10:26:51... | | |

Resume: Allows the user to resume a paused job

Pause: Allows a job to be paused in order to execute the next job in the queue

Pause & Next: To minimise the PrintModule. The orders will continue to be executed in the second plane.

Delete(List only): Allows completed or paused jobs to be deleted. If you want to delete a job that is being printed, you must first pause the job. To eliminate jobs that are to be executed on different printers, first pause the jobs and then press "Pause&Next" and lastly, press "Delete" to eliminate them.

Close: To minimise the PrintModule. The orders will continue to be executed in the second plane.

Printer Info.: Job selection. Press the "Shift" key to select more than one consecutive job. The "Control" key is used to select different jobs.

Status: Allows the job to be paused. If a job is paused and then an order is made through PhotoSuite that job will be placed in the "Waiting" status. If you want to pause a job but want the next job to be printed, press the "Pause & Next" button.

The jobs may be in the following states:

Being printed: The job is being printed; in this state the order can be paused.

Waiting: The job is waiting for another printing job to finish, or for the printer to accept the job.

Completed: The job has been printed in full. Once completed, it cannot be printed again.

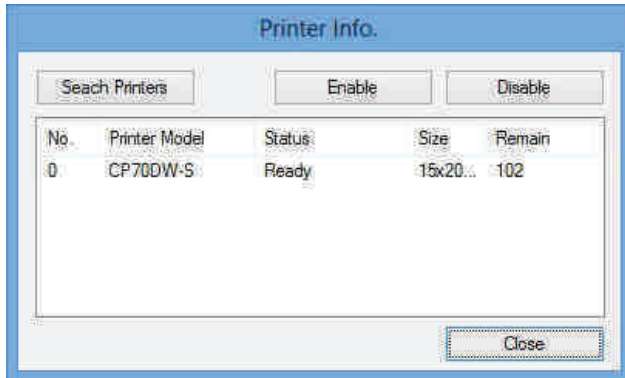
Paused: Jobs in this state can be resumed by pressing the "Resume" button.

"Pausing...": in some cases (in double-sided print jobs), after pressing "Pause", the job will continue to be printed until the double-sided print operation has been completed.

In Error: Consult the "Printer status" column to see what the error is. If no description is given, consult the printer status by pressing "PrinterInfo".

2.2 Printer Info

This displays information about the connected printer. The model, printer status, type of paper loaded and number of copies available are shown. If you have just switched the printer on, press the "Search Printers" button to refresh this screen.



2.3 Available print formats

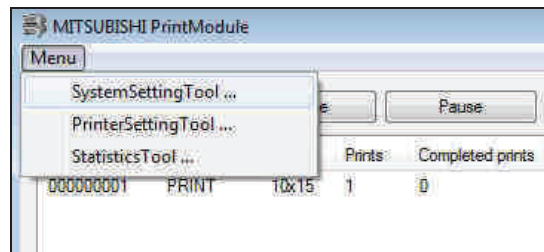
| Format name - cm - inches | CP3800 Series | CP80/ K60 Series | CP70/707 Series | CPW5000 Series |
|---------------------------|---------------|------------------|-----------------|----------------|
| 20X25 - 8X10 | ✓ | ✗ | ✗ | ✓ |
| 20X30 - 8X12 | ✓ | ✗ | ✗ | ✓ |
| 10X15 - 4X6 | ✗ | ✓ | ✓ | ✓ |
| 9X13 - 3.5X5 | ✗ | ✓ | ✓ | ✗ |
| 15X23 - 6X9 | ✗ | ✗ | ✓ | ✗ |
| 11X15 - 4.4x6 | ✗ | ✗ | ✓ | ✗ |
| 15X20 - 6X8 | ✗ | ✓ | ✓ | ✓ |
| 15X21 - 6X8.5 | ✗ | ✗ | ✓ | ✗ |
| 13X18 - 5X7 | ✗ | ✓ | ✓ | ✓ |
| 15X15 - 6X6 | ✗ | ✓ | ✓ | ✓ |
| 20x20 - 8x8 | ✓ | ✗ | ✗ | ✓ |
| 13X13 - 5X5 | ✗ | ✓ | ✓ | ✗ |
| 20x28 - 8X11 | ✗ | ✓ | ✓ | ✓ |
| 20X29.5 - 8X11.7 | ✗ | ✗ | ✓ | ✓ |
| 20X10 - 8X4 | ✗ | ✓ | ✓ | ✓ |
| 15X30 - 6X12 | ✗ | ✓ | ✓ | ✓ |
| 17X12 - 6.8X4.8 | ✓ | ✗ | ✗ | ✓ |
| 17X24 - 6.8X9.6 | ✗ | ✓ | ✓ | ✓ |

3 Configuration

3.1 Access to configuration tools

A menu is displayed in the top left-hand corner of Printmodule, with links to the different configuration tools, which are described in the following sections.

They can also be accessed from the main Windows menus.

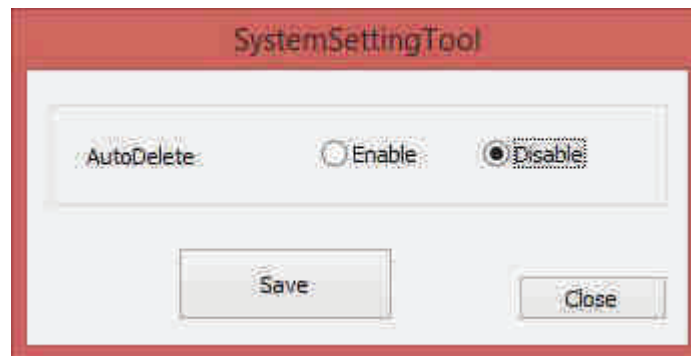


3.2 SystemSetting Tool

This tool allows you to configure whether you want to delete the print jobs once they have been completed.

Enable -> Deletes orders once completed.

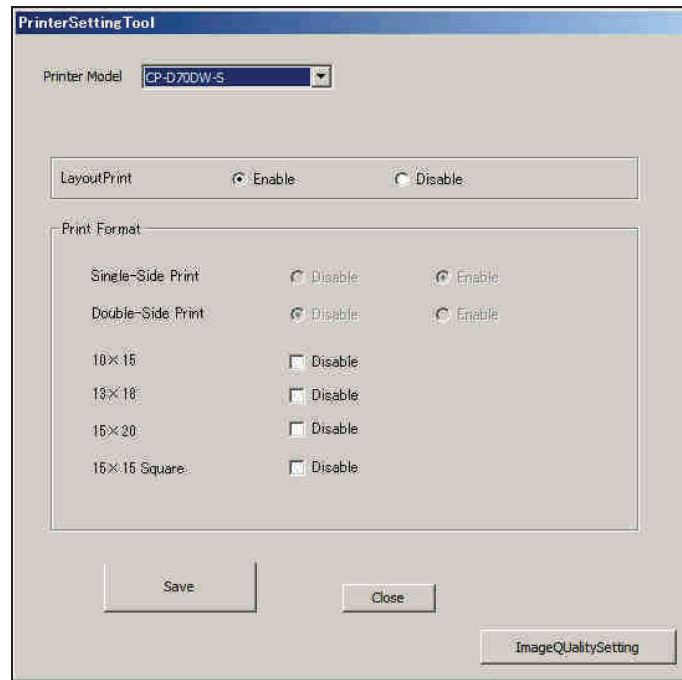
Disable -> Continues to store the orders in the equipment.



If this option is disabled, a large number of orders will accumulate which could take up all the free space on your hard disk. To prevent this, please delete the orders manually or activate this option.

3.3 Printer Setting Tool

This application allows you to change the following options, for each printer model selected in the "Printer Model" at the top:



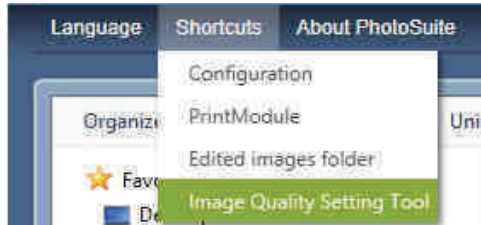
1. Activate or deactivate the 10x15 format print in the models in which this is possible in 15x20 consumable ("LayoutPrint").
2. If the selected printer is the CP-W5000D, activate both the one-sided and/or the double-sided print options.
3. Activate or deactivate each of these print sizes (for the selected model):
 - a. 10x15cm(4x6")
 - b. 13x18cm(5x7")
 - c. 15x20cm(6x8")
 - d. 15x15cm(6x6")

This may be particularly useful for preventing the balanced printing of jobs between different printer models if this is not required.

This tool can also be used to access the "Image Quality Setting Tool".

3.4 Image Quality Setting Tool

To access the image quality setting tool, go to the menu at the top of the application and in the Shortcuts section select "Image Quality Setting Tool", or in the "Printer Setting Tool".

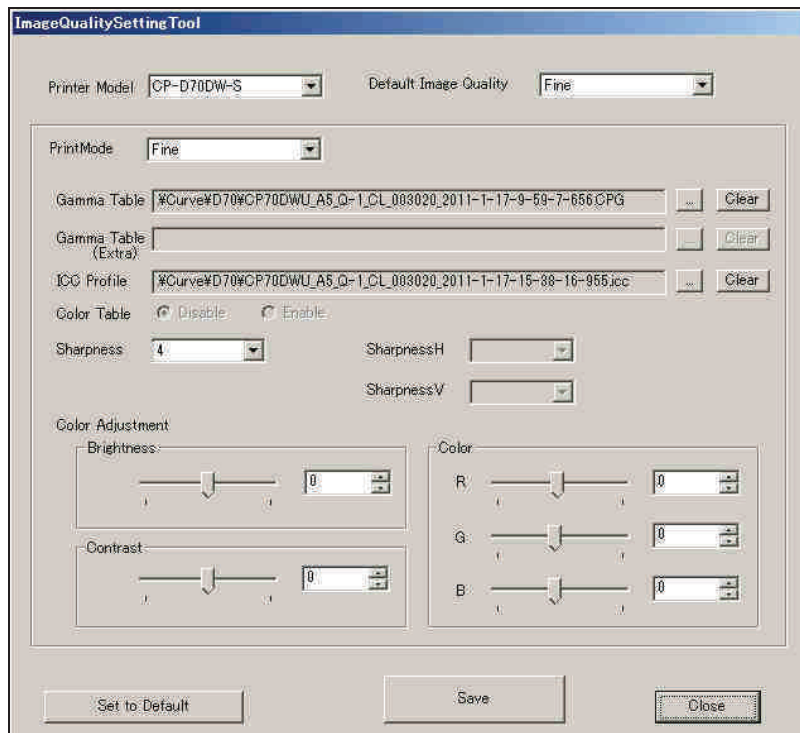


This tool allows you to adjust the printing quality for each printer model and printing speed ("default image quality") selected.

To change a parameter, first select the printer to be configured and then select the printing speed: *Fine, Superfine or Ultrafine...*

Gamma Table: This allows you to select a gamma table in CPG format. If not using a CPG table press the "Clear" button.

ICC Profile: Allows a specific ICC profile to be selected. If not using an ICC profile press the "Clear" button.



In the case of the CP-D80DWS printer an extra curve is shown for the Superfine mode. This curve should be equivalent to the one assigned by default to the Ultrafine speed (the same curve as the one for Ultrafine can be assigned). This is because in the Superfine mode it is automatically changed to Ultrafine, depending on the printing conditions.

Sharpness: Allows this parameter to be adjusted from "OFF" to "8"

SharpnessV, SharpnessH: only for the CP-W5000D model.

Color Adjustment: this allows you to adjust the R,G,B. colour glare, contrast and balance.

Once the parameters have been changed, press "Save" to save the configuration. Always do this before selecting another model from the list.

3.5 Statistics Tool

This application allows the production data to be exported to a standard .csv file. This type of file can be viewed with different applications, particularly those specialising in spread sheets. Steps to be taken to export the equipment statistics:

- 1.- Select the original file. It is located in: "C:\ProgramData\PSSolutions\PrintModule\Statistics\". Each file in the list includes the production information for a whole month.
- 2.- Press "Save".
- 3.- Select the place where you want to save the .csv file.



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