# User Manual

# DPSClick

DIGITAL PHOTO SERVICE

# User Manual

## DPSClick

DPSClick - User Manual v 4.0 (May 2005)

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# 1. FUNCTIONAL DESCRIPTION

## 1.1 – General Description

DPS CLICK is a unit for installing in a photoshop for use by the operator of the establishment. It prints digital or paper pictures or films/slides from different sources, including standard photoshop digital media available on the market (SmartMedia™, Compact Flash™, Memory Stick™, SD™/Multimedia Card™ and CD–ROM) or opaque and transparent scanners.

## 1.2 – Product target

The design of the equipment features several advantages for the sales point.

– Image of a shop that is well–equipped with the technologies of the future.
– Help in the sale of digital cameras.
– Time–saving with specialised personnel in digital picture processing.
– The personal touch is maintained, as the photographer does the processing.
– Major increase in offer without prejudicing the current main core activity.

## 1.3 – Handling the system

The user interface has been designed to be user–friendly and easy, with no need for training. The target is for handling not to be a barrier in using the equipment, and that any employee can handle it.

The equipment comprises an Image Processing Terminal (IT2000) which is handled by the operator. All its inputs for digital picture card, CD–RW and all the interfaces needed to connect it to other peripherals are concentrated on it.

It is operated via a touch screen, which makes it extremely straightforward. Only the digital retouch functions are performed with the mouse or digitizer. The keyboard is only needed for adding texts to the image, personalising file names on saving them, and for technical assistance.

## 1.4 – Image capture

The equipment can capture images from the following sources:

### 1.4.1 – Digital inputs

– Digital camera card reader (SmartMedia™, CompactFlash™, Memory Stick™, SD™,....).
– CD–ROM unit / recorder.
– Directory / work folder.

### 1.4.2 – Supported Files

– Formats
  - All standard formats in terms of image inputs and outputs are NON proprietary: JPEG, TIFF, BMP, PSD (1 layer), PCD (input only, from version 2.21).
  - From version 3.20 TIF and GIF files with LZW compression are supported.

– Resolution
  - The native resolution of the original file.

### 1.4.3 – Paper and film inputs

The equipment can scan opaque matter and films for print–out, and make the index print for three whole strips of films.

## 1.5 – Image processing

The equipment features different levels of Image processing:

***Colour and luminosity***
– Colour balance: YMC – RGB.
– Brightness, contrast and colour saturation control.
– Manual and automatic histogram adjustment
– Sharpness.
– Conversion into B/W and Sepia.

***Image Correction***
– Cropping
– Correction of Red Eyes:
  · Easy selection of the circular area.
  · Different levels of correction: bright and dark red eyes.
– Area cloning:
  · Mouse–selectable brush size.
  · Fixed or movable cloned area source.
  · Brush with different levels of diffusion.
– Painting:
  · Easy colour selection by palette or by simple colour on the image (dropper).
  · Brush with several levels of diffusion.
  · Mouse–selectable brush size.
– Selection of areas and filling:
  · Easy area selection by colour (chroma key) or manual selection.
  · The image can be filled in any colour using the palette.
  · The selected area can be made transparent.

***Decoration and personalisation***
– Texts with selectable size, font and position.
– Superimposing and montage of pictures on background.
– Image fusion.
– Calendars and frames.
– Cliparts and motifs.

## 1.6 – Print out

The system supports MITSUBISHI CP8000DW, MITSUBISHI CP-3020DE and MITSUBISHI CP9500DW-S.

## 2. TECHNICAL SPECIFICATION

### 2.1 – Scanner

#### 2.1.1 – Approved and Tested Scanners

The system is only guaranteed to work with scanners approved and tested by the manufacturer, and which operate by FIRE WIRE™ connection (IEEE 1394) or USB, and TWAIN communication protocol.

The basic difference between the Approved and the Tested Scanners is that the former can work in Basic Mode and the latter only in Advanced Mode.
Section 4.7.1. of the manual describes these two working modes in greater detail.

For a detailed description of approved and tested scanners please see your dealer.

**WARNING:** THE MANUFACTURER CANNOT BE HELD RESPONSIBLE FOR THE OPERATION OF THE EQUIPMENT IN THE CASE **OF A SCANNER INSTALLED** THAT IS NOT IN THE LIST OF **APPROVED** OR **TESTED SCANNERS.**

#### 2.1.2 – Film Scanner for Index Print.

The system supports the use of any film scanner with TWAIN interface, although for greater certainty some Scanner models have been approved. Please see your dealer.

The system works better with a Film Scanner that can preview the whole film strip. It's necessary to make Index Print.

#### 2.1.3 – Flatbed scanner

The system supports the use of any flatbed scanner with TWAIN interface, although for greater certainty some Scanner models have been approved. Please see your dealer.

#### 2.1.3.1 – Others

To use any scanner not on the list of approved models, install the Drivers supplied by the manufacturer. Any such installation and its compatibility with the rest of the equipment is the **SOLE RESPONSIBILITY OF THE OWNER** of the equipment. The manufacturer is not responsible for correct installation and operation. Therefore, any cost derived from handling the equipment will be met by the owner.

# 3 –STARTING UP THE SYSTEM

## 3.1 – Initialising equipment and software.

**WARNING**: for the system to work properly, you must observe the following order when switching on the equipment.

– Steps to follow:

**a)** Switch on the printers and scanners first. Switching on the printers first is more important if they use the SCSI bus to communicate with the rest of the equipment. In this case, make sure that they are in ON LINE mode (green light on) before proceeding to the next step. If this procedure is not followed, switching them on once the IT2000 has started up will be useless.

**b)** Switch on the Image Processing Terminal (IT2000).

**c)** After a few seconds, the automatic start–up of the operating system and print server screen for DPSClick will appear.

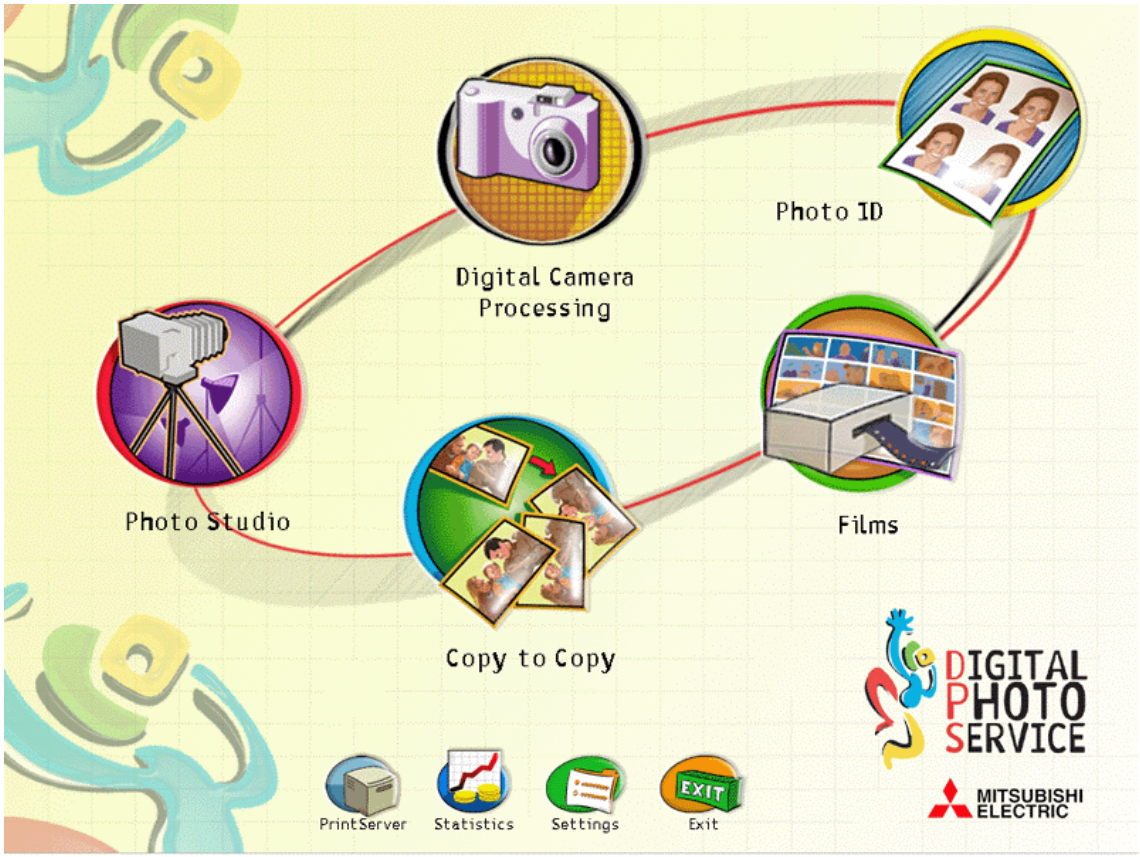
## 3.2 – Power–off

To switch off the equipment, use the “EXIT” icon on the main screen. The equipment will switch off automatically. You may also switch off printers and scanners if you wish.

# 4. THE DPSCLICK SOFTWARE

## 4.1 – MAIN SCREEN

This screen provides access to the different applications of the program and its settings. It then details what section the user should refer to depending on whether the customer requests the processing of digital camera images, copy to copy, make a calendar with a picture, index print from a film strip, etc.




### Digital Camera Processing

Application for quick processing of pictures made on any digital camera with standard storage devices (SmartMedia™, CompactFlash™, etc.). It also reads files from CD–ROM. If Bluetooth option is available (only from DPSClick software v2.21), images from Bluetooth devices can also be read.
This menu is accessed only when you wish to *print images from digital cameras, making any small adjustments in brightness, colour, etc. that may be needed to the image, record a CD-ROM with them or make an Index Print*. No retouching or decoration can be performed.

### Photo ID

This menu is accessed only to *take pictures for documents such as ID card, passport, etc.*, in different formats, and composing them via different combinations, always using digital camera cards or DIS900D Digital ID Camera.

### Photo Studio

This utility is for making studio pictures. This means that you can *read images from any digital medium* (digital cards, CD–ROM) and *store them in the work folders of the* equipment, or else read the *work folders directly* to perform outstanding tasks. You can apply different effects of photomontage, retouches and other modifications typically used in a photo studio, and can finally *print out individual copies, make an Index Print or record a CD–ROM*.
If Bluetooth option is available (only from DPSClick software v2.21), images from Bluetooth devices can also be read.

### Copy to Copy

Application for making *copies of pictures on paper* or *from films*, retouching and restoring old pictures, adding decorative motifs, and finally *print individual copies, make an Index Print or record a CD–ROM*.
Basically, it is identical to the **Photo Studio** except in the source of the photos. It includes a tool that can be used to create a new image comprised of several pictures.

### Films

Utility for *preprocessed film batch scanning, mainly to make an Index Print*. It works with full or cut strips of films and slides, depending on the scanner. It is based on rapid processing, but it also allows you to work with the images later, print them separately or record a CD–ROM with them, depending on the scanner.

NEW!

From version 4.0 this option allows you to work directly with Pakon Scanners(F135 and F235 if are installed) in a simple interface, but exploiting all advanced options that them offer.

### Settings

Settings of the DPSClick application. From here you can change the general parameters of the application.

### Exit

Quit the DPSClick application.

### Statistics

Statistics on the use of the DPSClick equipment.

### Print Server

This button accesses the Print Server program, which not only offers information on the printer status and the spooler, but also provides control over the former and makes it possible to pause printing, cancel it and adjust print–out parameters.

You can also access the PrintServer from the main screens of the program using the icon located in the bottom left hand corner of the screen.

### 4.1.1 – Common buttons

There are buttons that appear on most of the screens and have the same function on all of them:

Back to the previous screen. If you have made any changes, a dialogue box will appear for you to confirm them.

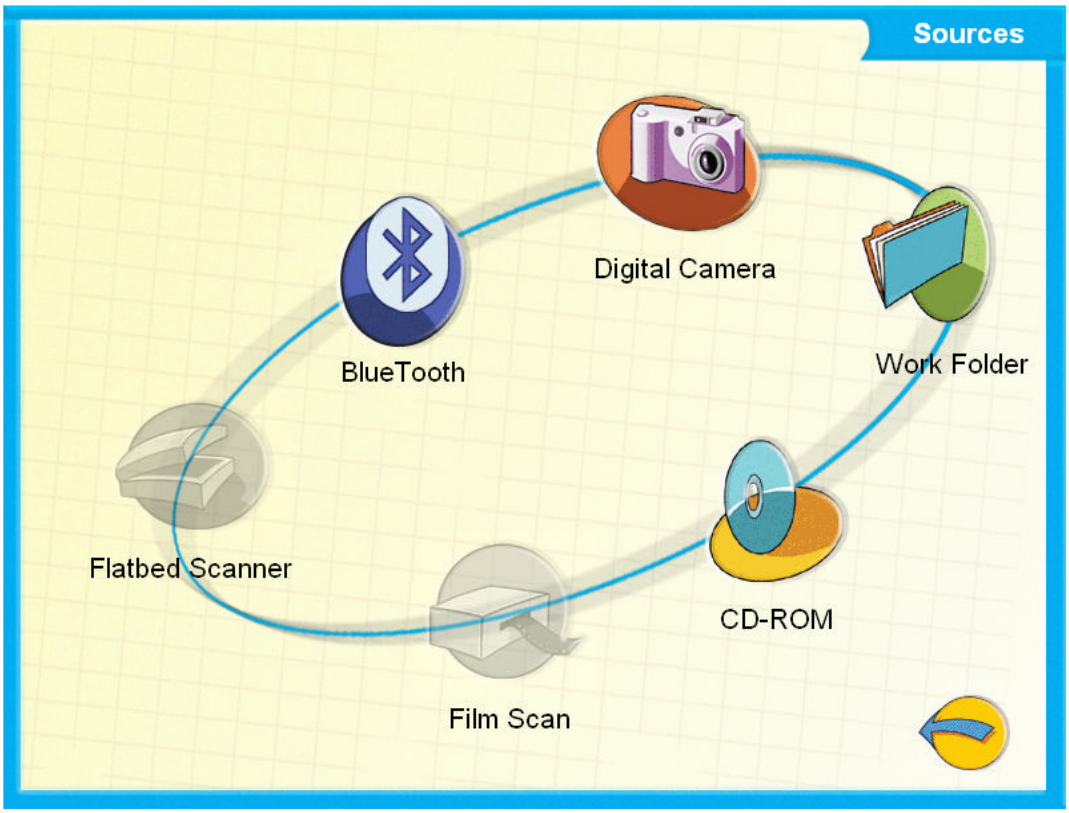
Back to the main screen. If you have made any changes, a dialogue box will appear for you to confirm them. If you are already in the main screen, press this icon for the program version/release.

Accept changes made and back to previous screen. It also means an affirmative answer to a prompt or confirmation of a message launched by the application.

Undo changes made and back to previous screen. It also means a negative answer to a prompt launched by the application.

Apply the current action.

## 4.2 – IMAGE INPUTS




This screen is used to select the picture source device, this may be either a storage device or a Scanner, depending on the screen being accessed.

### 4.2.1 – Digital Camera

Pictures can be loaded from the typical storage devices used in most digital cameras.

**DO NOT FORGET TO SWITCH OFF THE DIGITAL CAMERA BEFORE REMOVING THE CARD FROM THE INSIDE. OTHERWISE THE DATA ON THE CARD MAY BE LOST.**

The camera device is selected automatically, i.e. the different inputs are checked, and the type of card inserted is detected automatically.

The pictures will be copied temporarily to memory to avoid changing the card data. Once the images have been loaded the customer must remove the digital card and all the work will be done with this copy. The pictures will be deleted automatically at the end of the session unless they are exported.

**DO NOT REMOVE THE CARD UNTIL PROMPTED TO DO SO BY THE PROGRAM**

Images can also be obtained from standard digital media:

- **Work folder** (on the hard disk)
- **CD–ROM**

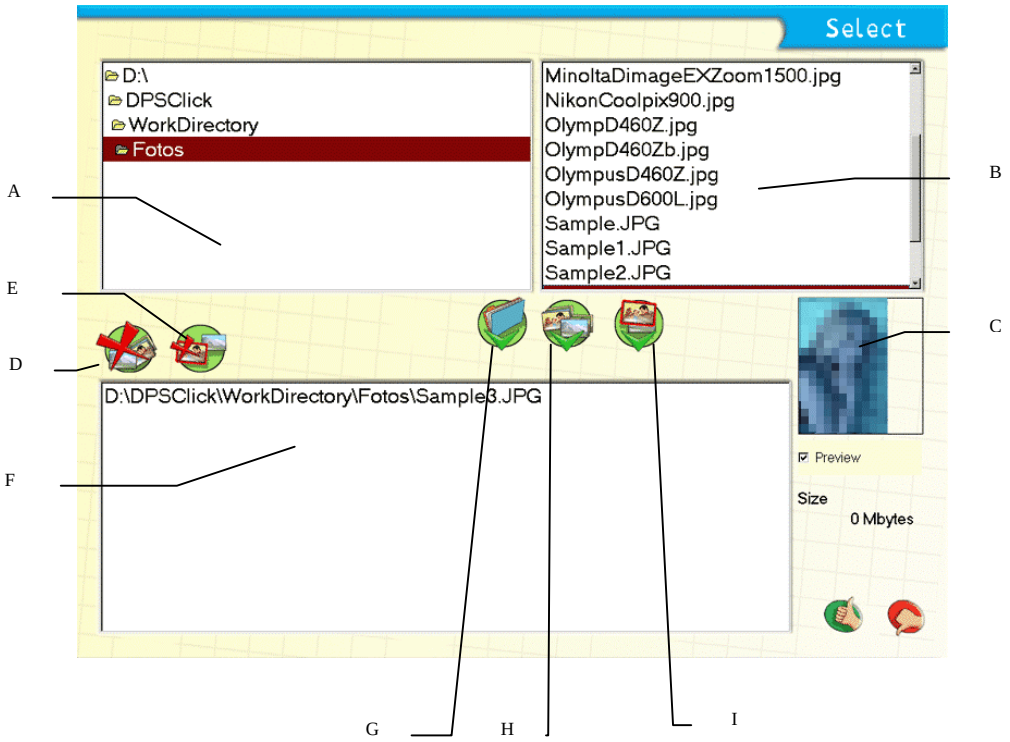
Finally, images can be added directly from a Scanner or other devices via the TWAIN interface:

- **Flatbed scanner.**
- **Film scanner** (35mm + slides)

*Only from DPSClick version 2.21*: images can also be obtained from Bluetooth mobiles. It's necessary to have Bluetooth USB dongle.

### 4.2.2 – The Selection Screen

This screen provides access to the different parts of the program. Its purpose is to select image files, groups of them or even whole folders with image files to carry out the same action with all of them, be it record a CD–ROM or open all the images at once on the Browser screen to work with them, for example.




A) Folder Explorer area. This box provides access to the different folders of the input device (digital camera card, for example), by clicking on them to open them and view their content.

B) Image file exploration area. This area shows all the files in the folder open in area A.

C) Preview of the selected image. The miniature image of the last file selected in the B or F area will be loaded.

D) Empty the whole area of selected images: the list in box F will be emptied completely to start selecting images again.

E) This button is used to eliminate the folders or files selected from the list in box F.

F) Area of selected folders and images

G) Copy whole folder from box A to box F.

H) Copy all the files from box B to box F (whether or not they are selected in box B).

I) Copy only the images selected from box B to box F.

**How to select images to load?**

Basically explore box A by clicking on the folders to see which files appear in area B. To have an idea of the images in this open folder you can check a file in area B to see its image in preview area C, remembering that the “Preview” label must be checked. If the file takes a long time to load you can interrupt the process by clicking on the image or on the “Preview” label.

Once you have found the right folder, you can check only the images you wish and then click button H to copy them to the selection area F, or else click button G directly, which will only show the name of the folder. In this way the program will know that it has to load the full contents of this folder.

Once you have made your selection click OK.

## 4.3. COMMON FUNCTIONS

### 4.3.1 – Browser

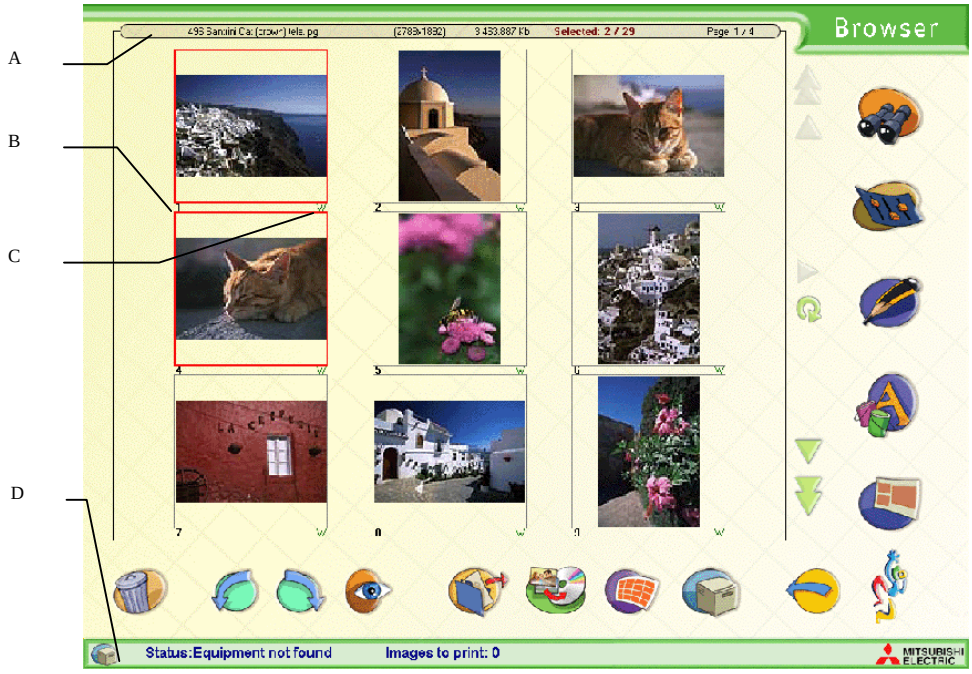
The 'Browser' screen shows the pictures that have been read from any available digital media in order to modify their appearance, if needed, make layouts and eventually hard copy the results.

To select an image, just **click** on it: it will be framed in red immediately. Re–click on a selected image to unselect it. To select or unselect them all, double–click on an empty part of the image browser screen.

The **information bar** located at the top of the browser displays the data on the last image selected: file name, size of the image (in Kbytes) and resolution in pixels.

The bar also shows how many photos have been selected out of all the photos loaded in memory. In the example in the picture, the image label selected shows 1/15, which means that one photo out of a total of 15 has been selected. Both the total and the number of photos selected refers to all the images in all the pages, not just to those shown on the current page.

It also shows what page of the browser the user is on. In the example the user is on page 1/2. This means that you are viewing the first of a total of two pages.




A: Information Bar B: Image number C: Image Quality D: Printer Satus Bar

Two items of information are given at the bottom of each miniature: on the left the number that identifies it and on the right the quality of the image. The second data item is important in order to know whether the resolution of the image is sufficient to be able to print it in a given format. These are the different qualities that can be seen in a miniature:

| | |
|---|---|
| * | When an image has this red asterisk it means that the quality is not good enough for printing. The image was taken at a very low resolution. |
| M | When an image has this quality **it is not advisable to print it in** 10x15 or larger sizes. It may be used for small compositions, for wallet photos or Photo ID. The picture is valid for 9x13 and smaller sizes. It should not be printed in larger sizes. |
| L | The picture is valid for 10x15 and smaller sizes. It should not be printed in larger sizes. |
| X | The picture is valid for 13x18 and smaller sizes. It should not be printed in larger sizes. |
| W | The picture is valid for 15x20 and smaller sizes. It should not be printed in larger sizes. |
| A4 | The picture is valid for A4 and smaller sizes. It should not be printed in larger sizes. |

There is also the **Printer Status** information bar at the bottom of the screen. Just in the right side of the small printer icon to the left, you can see the paper available in the printer. This data always belongs to the printer that has the less paper.
Next message tell us the general status of the printers.
Finally we can also see the total number of images pending to be printed.

The functions of the different screen buttons are detailed below.

The first page button takes the user straight to the first page of loaded images.

The previous page button takes the user back a page.

The Resume / Pause buttons are for resuming or interrupting the loading of images on the present page. It is not necessary to finish loading one page to access the next one.

This button is used only to refresh the browser content. It is for refreshing the content of a page if images are being inserted into DPSClick from a digital camera via a direct connection, such as Firewire.

The next page button takes the user on to the next page.

The last page button takes the user straight to the last page of loaded images.

Depending on the application from which you have accessed it, the 'Browser' screen will display or hide different tools. In each case the buttons have the following functions:

**Delete:** It deletes the images selected. You can also access this function by right clicking with the mouse on one of the pictures displayed.

**Rotate**: This button rotates the pictures selected 90º clockwise or anticlockwise. You can also access this function by right clicking with the mouse on one of the pictures displayed.

**Preview**: Shows a full–screen view of the picture selected. The dotted line shows the actual approximate print area.

**Export Images**: This accesses the 'Export' dialogue box to save the images selected to the work folder or to any suitable external device.

**Record CD.** Back–ups can be made of images saved to the machine or PhotoClickCDs can be recorded for the end user. This also allows you to format CD-RW media.

**Index print**: Set up beforehand on the 'Adjusts' screen, this tool creates a print with the miniatures of the pictures selected. The name (path) of the files can optionally be included.

**Print**: This opens the 'Print' dialogue box, where you can select the number of copies to be printed and the print format.
There is another button in the bottom left corner of the screen, which, when clicked, accesses the "**Print Server"**', allowing the user to carry out different print monitoring tasks.

**Explorer**: This displays the path of the current work folder and permits modifications to other subfolders.

**Adjusts**: This button accesses the 'Adjusts' screen where you can modify certain parameters of the picture selected: colour balance, brightness, contrast and saturation, as well as histogram, black and white, sepia and sharpness.

**Retouch**: This accesses the screen where you can change the format of the image, paint, clone areas (when restoring old photos, for example) and modify red eyes.

**Decoration**: This opens the screen where you can insert motifs on the image and fuse them by softening, placing the image selected on a background, insert text, frames or compose calendars.

**MultiPrint**: This accesses the screen which features the utilities needed to prepare a print comprising several images, with different layout styles available.

### 4.3.2 – The on–screen keyboard

A: Display Area B: Special Character Selection C: Capitals/small
D: Centring Button E: Keyboard Movement Button

The on–screen keyboard may be used to enter alphanumeric data, when necessary. To do so click the icon which is available on all the screens of the DPSClick program when text has to be input.

On pressing certain keys on the screen, such as vowels, new symbols will appear in the special character selection area. Press the same key several times in succession (on the image of the “i” key) to scroll through the different symbols available, in red. To accept the symbol selected in red simply wait for a moment or press the key corresponding to the next character you wish to write(for example the “c” key).

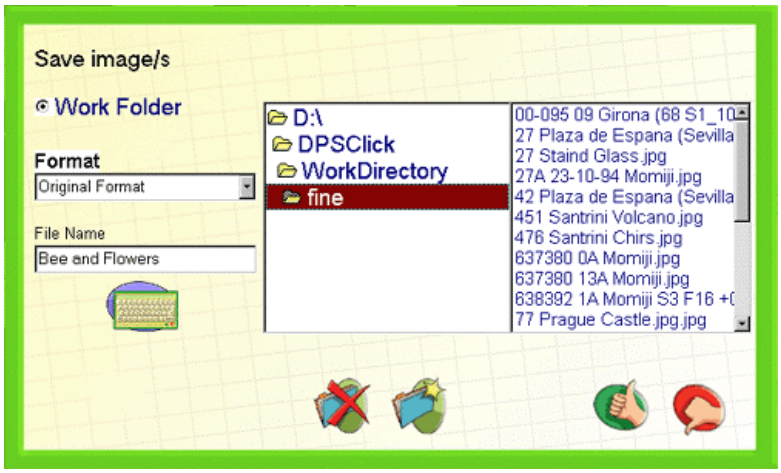
On pressing the OK button, the text displayed in the keyboard display area will be applied. Otherwise press Cancel if you do not wish to apply any further text.

When the on–screen keyboard is displayed it appears in the centre of the screen. It can be moved to any of the four corners of the screen, depending on which **keyboard movement button** is pressed (see illustration). Press the **centring button** for the keyboard to revert to the centre of the screen.

### 4.3.3 – Export

When you are working in the 'Browser' screen you may select one or several images and save them to the work folder or any subfolder.

The export option saves images using the following formats: TIFF, BMP and JPG. With the JPG format, DPSClick Works with four degrees of compression: High, Medium and Low and Lossless (DPSClick proprietary Format). The latter **can be read with the DPSClick program**, and **its compatibility** with other image processing programs on the market is not guaranteed. The advantage when using this format is that image file is compressed but image data remains as original. There isn't any quality loss.




The Export option is also useful for saving half–finished work while other more important jobs are carried out. You can choose between saving the images to the work folder or any subfolder.

The equipment **does not permit** exporting to digital camera memory cards. This is to maintain the integrity of the end customer's images.

If you have chosen only one image to save you can change the name the file will be saved with. To do so use the on–screen keyboard button.

You can create or delete folders using the 'Delete Folder' and 'New Folder' buttons. When you press the create folder button you will be prompted for a name for the new folder. If you decide to delete a folder you must remember that the **images inside it will be lost and cannot be retrieved.**

### 4.3.4 – Print

One or several images can be printed from the 'Browser' or from the 'MultiPrint screens', where you can choose the output format and the number of copies. To do so, select the files and press the OK button (Print).

You can define the number of copies for each print using the **Copies** counter.

You can also choose which **Format** the images will be printed in, and can choose between 'Format A', 'Format B' or 'Format C', defined in the 'Configuration' screen.

NEW! From version 4.0 it is possible to choose 'Others', too, in order to use some of the supported formats not defined by Format A, B or C. This change affects to all software screens where print formats can be chosen.

**Printing Mode** : you can choose between fill printing area with image (you print borderless but maybe you loose image data) or full image (you see white paper but no image data is lost).

**Optimisation** allows you to choose the Print mode: Colour or Black and White (**B&W**), optimising the printer for the option chosen.

**Print distribution**: before printing, you can select between Multi printer (pictures are being sent to all printers that has the same paper size if the printer is busy) or Single printer (all pictures of the current job are sent to the same printer).

NEW! **White border:** from version 4.0 it is possible to print images with a white border. Use this option to choose if you want white border or not.

**NOTE:**
If by mistake you print colour pictures by selecting optimisation to black and white, they will not be printed in black and white, but with a wrong colour balance.
It is not advisable to print colour and black and white pictures in the same print session. It is better to put colour and black and white copies in two different print sessions, each one optimised for the purpose.

**PRINT ERROR:**
In the event of a print error or if the print–out simply does not take place, check the status in the message bar of the 'Browser' or 'Multiprint' screen and then access the **PrintServer** tool via the button located in the bottom left corner. (**See section 4.10**)

### 4.3.5 – Recording CDs

CDs can be recorded in two modes.

**1) PhotoClickCD**: this format is for end customers and allows them to view the images at home if they have a PC or use it to order copies at the nearest establishment with a digital processing service, amongst other things.

**2) CD – Backup** to make back–ups of images stored on the machine and thus recover space on the hard disk.

From software version 2.20 it's possible to save also non-image files to PhotoClickCD and CD-BackUp, like movies or sounds. For more information refer to section **4.9.7.**

From version 3.20 CD Burning is updated to improve compatibility.

NEW! From version 4.0, high-speed CD burning has been improved. It is possible to enable "Buffer Underrun" protection technology from settings screen.

#### 4.3.5.1 – Recording a PhotoClickCD

PhotoClickCD is a CD–ROM recorded by DPSClick for the end customer with the images chosen by the latter. The advantage of PhotoClickCD over the conventional recording of images on a CD–ROM is that it has a built–in image viewer (to view them on any PC) and also prints an Index Print. There is no need to open any photographic retouching program on the PC to view them, and the images are in different resolutions on the CD–ROM to provide efficient viewing and also for making copies.

When non-image files coming from digital cameras like sounds or videos are being saved into a CDROM, these files will be available later in the CD through the folder named 'OTHER'. These files cannot be viewed through PhotolickCD software, but any Windows® Multimedia application can be used for that.

**Important note**: if a customer goes to the photo studio with a PhotoclickCD to request copies, the **HighRes** folder of the CD–ROM must be used. This folder contains the images recorded with the **original** resolution.

NEW! From version 4.0 when an inserted CD is recognized as a PhotoClickCD, the program loads automatically the HighRes folder in Browser.

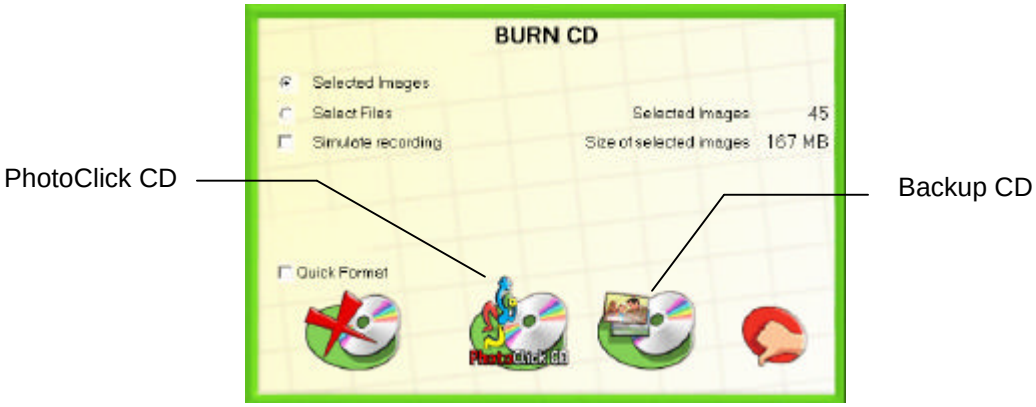
The photographer can include the logotype and the trade name of his establishment on the main screen which the customer will see when he views the pictures.

For further details on how to include the logotype and trade name of the establishment see section 4.9.5 and 4.9.6 of this manual.

To learn more about the PhotoclickCD program see chapter 5 (*The PhotoClickCD program)* of this manual.

**How to record a PhotoClickCD:**

1) This button on the Browser screen accesses the CD recording menu. If you have not selected at least one image from the Browser screen, you will not be able to record a PhotoClickCD in the following steps.



2) Make sure that the “Selected Images” option is checked.

You will be informed of the number of images selected and its size before recording the CD.

3) If you check the option “Simulate recording” you will be told that when the time comes to record the CD–ROM a simulation will be run without an actual recording being made. This can be particularly useful when there has been a problem in a first write attempt (for example due to a faulty CD), and you wish to try again.

4) Press this button to record a PhotoClickCD. The recorder drive tray will open automatically for an **empty recordable CD to be inserted**. At the same time, an automatic data structure creation process will start to be recorded on the CD, which will take more or less time depending on how many pictures have been selected.

**Note:** this structure will only be created once, even if you run the simulation or are making a second copy of the same CD.

5) Once this process is complete the user will be prompted for a name, which will be the general title that will appear on screen in the customer's home when he views the pictures (This text is limited to 37 characters at most).

At the end of the recording process, the user will be prompted for printing an Index Print of the pictures saved into the CD.

6) Once you have entered the title you will be prompted to confirm. Press **OK** and the recorder tray will close automatically (if it is still open) and the recording will commence. Press **cancel** to go back to point **2**, although the data structure will have been created.

Remember that if you have selected the recording simulation option the recording is not a real one. When this is complete, uncheck the Simulation option and press the PhotoClickCD button again if you decide to proceed with the recording.

7) At the end of recording a message will be displayed to inform whether or not the recording was made successfully. Otherwise, the cause of the error will be displayed.

**Important note**: the PhotoclickCD CD–ROM is closed definitively, which means that no further images can be added. This guarantees the security of the customer's pictures which have already been saved to the CD–ROM, and prevents future data corruption through disk errors.

8) The recording can be repeated as often as necessary without quitting the CD–ROM recording menu, and (as has already been mentioned) since the data structure has already been created on the hard disk any further copies will take less time.

On quitting the recording menu the temporary structure will be automatically deleted.

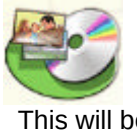
#### 4.3.5.2 – Recording a BackUp CD.

CD BackUp is a useful tool for DPSClick users to make back–ups of images or image folders contained in the Work Folder. Initially, this is the best way of saving images when you wish to erase them from the DPSClick equipment.

**Note**: it is very important not to overload the Work Folder with images and folders as this may affect the machine's performance. Remember that the hard disk is not only used to store information, but also as supplementary memory when all types of operations are carried out. If the equipment does not have enough space on the hard drive the speed and the general performance of the DPSClick will fall. This is why it is important to use the CD BackUp utility.

**How to record a BackUP CD:**

1), 2), 3) Proceed as in steps 1 to 3 in the previous section on how to record a PhotoClickCD, the exception being that in step 2 you will be able to choose between selecting images either from the Browser alone or images from different folders in the Work Folder.

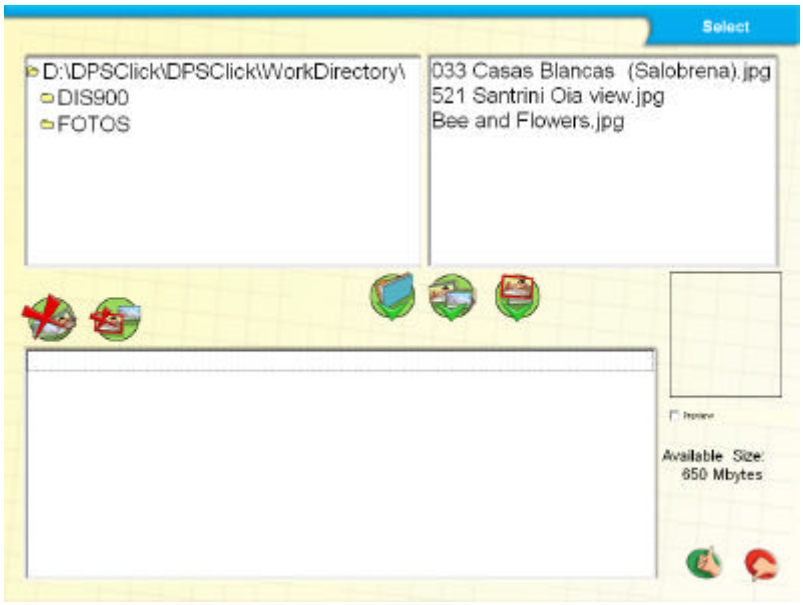


4) Press this button to record a Backup CD in the CD recording menu. If you checked the **"**Select files" option first, the *Selection* screen will appear immediately, where you can choose image files and folders to record on the CD. This will be carried out in the same way as section 4.4.2.

All the images and folders included at the bottom of the screen will be recorded to the **Backup**, although you should remember that if a selected folder already contains one of the images that is also included in the list the image file will only be recorded on the CD–ROM once.

The bottom right part of the screen indicates the space available in the CD-ROM. This number is updated each time we select a folder or a file. Remember that this size cannot exceed 650 Mbytes if recording on a 74–minute CD–ROM or 700 Mbytes on an 80–minute CD–ROM. If it gets red color the maximum capacity has been exceeded.

5) Press **OK** to go on to the next step.




6) As in point 5 of the previous section of PhotoClickCD, you will be prompted to provide a name. In this case, unlike PhotoClickCD, this name will identify the CD–ROM label.

7) You will be prompted for final confirmation to begin recording. All the procedures related to Simulating recording, as dealt with in the section on PhotoClickCD, are equally valid for the BackUp CD.

8) The recording will be completed, and the CD–ROM will be left open to add further sessions.

If you check later the CD, you will see that each time a BackUp CD is saved a new folder is created with the new pictures added. The name of the folder is always composed by date and time.

#### 4.3.5.3 – Formatting CD-RW (rewritable) media.

If you need to format rewritable media you can press this button before you start any recording. If ‘Quick format’ option is checked the formatting action will be faster, but for best performance it’s better not to choose it.

### 4.3.6 – Index Print

The Index print has different configurable appearances such as the amount of rows and columns of images that will appear in the picture or the separation between them. You can also choose whether, when printing out the copy, the images will be numbered from a specific number, to have the numbering match that of the films.

Once the images have been obtained you can modify the levels of colour and make the Index print at will. You also have to choose in which format the copy will be printed.

#### 4.3.6.1 – Film Strip Index Print

Proceed as follows to make an Index Print from strips of film or slides:

1) First choose 'Films' in the main screen of DPSClick and scan some images from film. Go to Browser screen.

2) Use this button to automatically select ALL the images of the Browser, and automatically access the Index Print configuration screen.

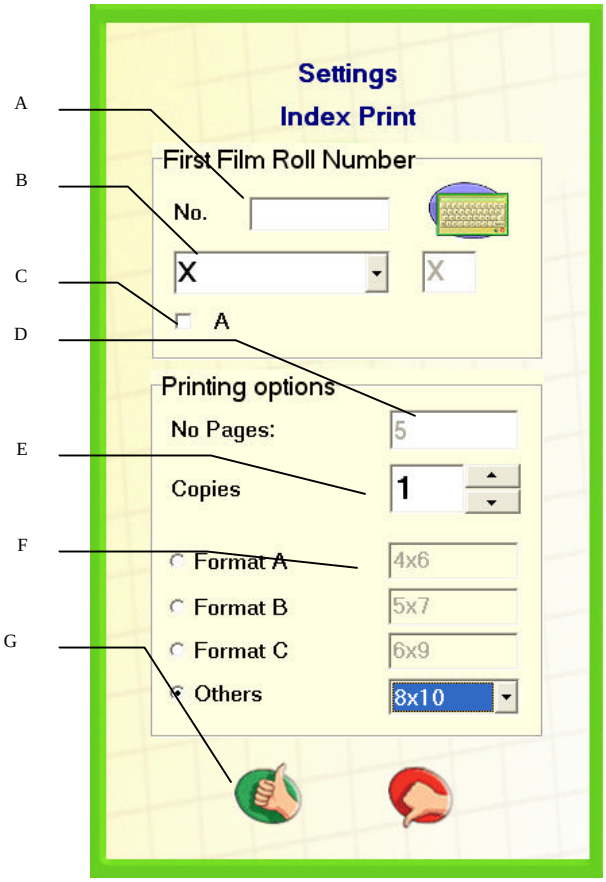
3) As you are working with strips of film, it may be necessary to identify the reel associated with the Index Print that is to be printed. To do so, complete the "A" space. This information will be printed on the paper of the Index Print.

The miniatures can also be identified with the same number and letters as those that appear on the films. To do so, write the number or letter of the first valid image of the film in section "B".

If the label of the strip of film begins with the letter A, it can also be selected in option "C".

3) The number of Copies (E) can be increased and the print–out format (F) chosen. You can check how many sheets will be printed (D).

4) Press **OK** (G) to print.



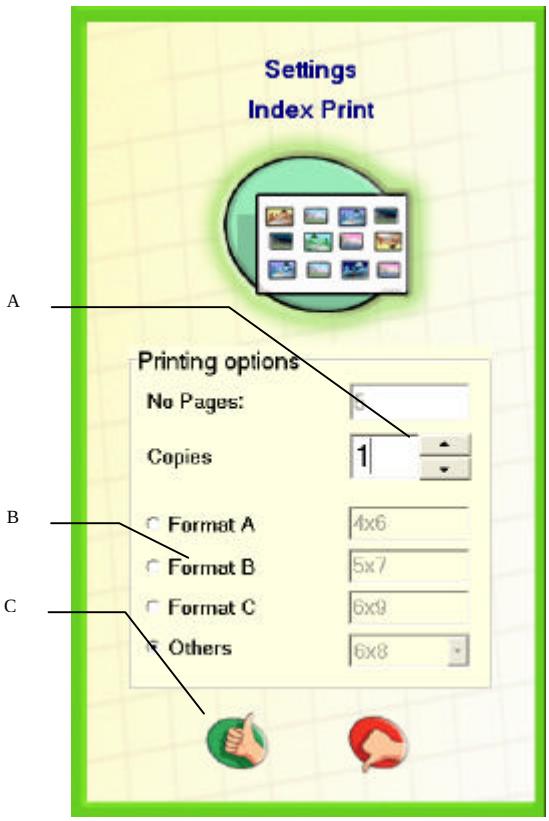
#### 4.3.6.2 – General Index Print

Proceed as follows to make an Index Print from the Browser screen, if the images are not coming from film:

1) Use this button to automatically select ALL the images of the Browser, and automatically access the Photo Index configuration screen.

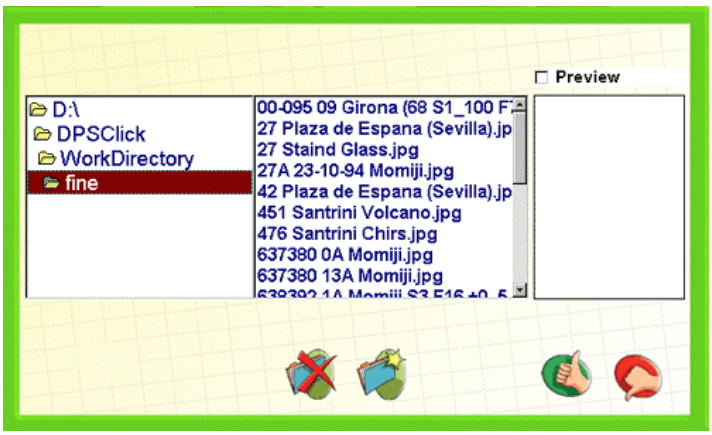
3) The number of Copies (A) can be increased and the print–out format (B) chosen.

4) Press **OK** (C) to print.



### 4.3.7 – Explorer

If you access the Browser screen in 'Work folder' mode you can access one of its subfolders after pressing this button.
If accessing in 'CD–Rom' mode you can also browse any folder on the drive with this tool.




You can also view a miniature of the image selected if the 'Preview' option is checked. Sometimes, due to the different types of images the machine may read, the process of reading a miniature may be slow due to the actual characteristics of the image, and above all when reading from a CD–ROM. Therefore, the loading of a miniature can be interrupted by pressing the image or else the "Preview" option.

### 4.3.8 – Adjustments

You can modify the appearance of the pictures from the Browser screen using the "Adjusts" option. This function allows you to modify the brightness of image, contrast, saturation, CMY–RGB colour balance, sharpness, adjust the histogram manually or automatically as well as apply 'Sepia' and 'Black and White' effects. You can also automatically apply the changes made to an image to all those in the Browser or those which are selected in it.

You can have greater control of the adjustment process thanks to the view of the original image on the left and the modified one on the right.

Double–click the image on the left to retrieve the original image, although you will lose all changes made until that moment.

There is also an **Undo** button. Click this button to undo the last action on the image on the left: you can undo up to 20 actions.

The bottom of the adjustments screen has several tabs to access the aforementioned functions. Click the tabs to display the parameters of these functions and the controls to change them. When you change to another tab you validate the changes you have made (if any).

NEW! From version 4.0, it is possible to enable "sequential adjust" from settings. With this option, you can adjust sequentially all previously selected images in browser.

The operation mode is the same, but two additional buttons (A & B) appear at the top of the screen, that allows you to navigate between selected images.

Once you have the first image adjusted, you only have to push the “Next” button (B), and automatically will appear a form to validate or discard the changes and you will navigate to the next image selected. You will be asked, too, if you want to apply the same saving options in all images, in order to speed up adjustments (see section 4.3.8.6). To go back to a previous image, press “Back” button (A).

Click OK button to exit Adjustments screen. It will appear the same form to validate or discard the changes of the current image.

### 4.3.8.1 – Basic Adjustments

This section on adjustments is for changing the following parameters very quickly:

The three rows of buttons on the left correspond to the colour balance of the Red, Green and Blue channels, or the equivalents Cyan, Magenta and Yellow, in that order. The central values are always checked with the zero value.

If you click a button to the right of the main button you are reinforcing the corresponding channel towards the colour indicated by the main button. Thus, for example, if you click button 2 of the first row corresponding to the Cyan colour, the cyan in the image will be increased by 2 points, whereas if you click button –2 of the same row the cyan value will be reduced by two points, or the red channel will be increased by two points, which is the same thing.

Thus, the values to the right of the second row (magenta) will increase the magenta channel, whereas the left side increases the green channel. Finally, in the yellow row, the right side increases yellow and the left increases blue.

The three rows of buttons on the right correspond to the balance of brightness, contrast and colour saturation, in that same order and from top to bottom. The central values are always checked with the zero value.

To increase the value of any of the three aforementioned parameters, click the buttons to the right of the zero value and to the left to reduce them.

#### 4.3.8.2 – Fine Adjustment

The parameters adjusted in this section are the same as the previous ones, the difference being that they can be made with greater precision. To change the values of the different control bars use the main button or else click on the increase (+) and reduce (–) buttons.

The order of the controls is exactly the same as in the previous section: cyan, magenta, yellow, brightness, contrast and saturation. Click the number of the value to reset the bar to zero.

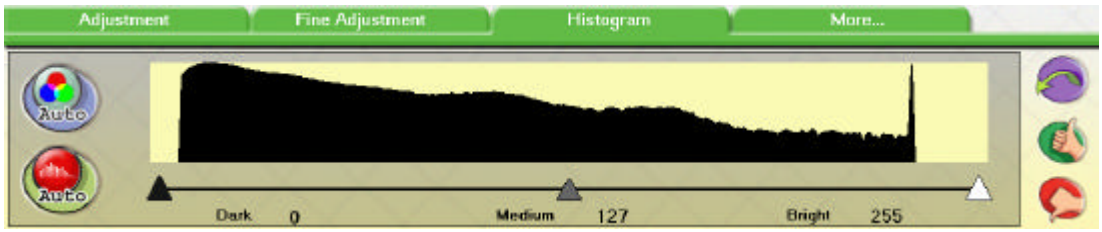
#### 4.3.8.3 – Histogram Adjustment

In the Histogram tab the histogram can be adjusted automatically or manually.

What is the *histogram*?

Basically, it provides information on the distribution of the levels of intensity (light) in the whole image. This can be highly useful in analysing and enhancing an image that seems to be flat or rather “undynamic”. This is a very common problem in many digital cameras on the market, as well as in scanners, although the latter tend to have built–in automatic image enhancement tools when they have been bought with the device.

In the histogram, the horizontal axis has 256 different values (0 to 255) which are really the different values of intensity that a pixel or dot of the image may have.
The vertical axis indicates how many real pixels of the image analysed have the value of the X axis. The example shows that around a brightness value of 50 (horizontal axis), there are many pixels or points of the image (vertical axis). We are talking about an image that tends towards dark values.



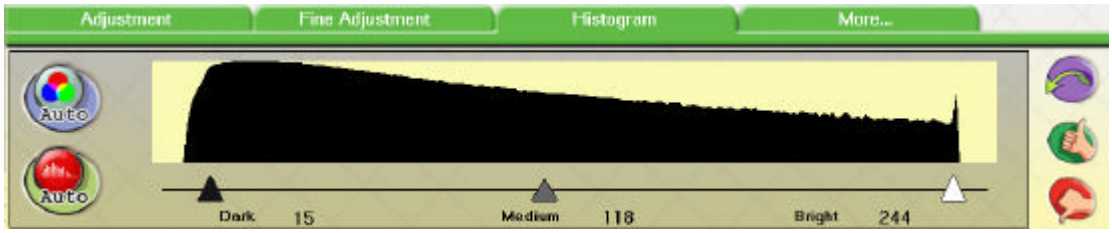

In the example, the pixels that have the lowest value are not at the top left, and the same occurs with the highest values, but with the top right. This means that the whole dynamic range offered by a digital image is not being leveraged, and not all the possible values are being used.

In the following image the adjustment cursors have been moved manually towards the parts of the graphic where information already appears. The effect is to afford the image greater contrast or “depth”.

This tells the program that the “form” or information from has to begin practically at zero and end practically at the value of 255, i.e. the horizontal axis is compressed so that in actual fact the image increases its dynamic range.

Thus, all the pixels of the image are distributed towards new values up and down the brightness axis, thus gaining pixels in dark values and pixels in light values.

Remember that images will practically always have thousands of pixels or dots, and the lowest values of the vertical axis will not be seen




It will not always be necessary to adjust the cursors to such limits. Very often it will only be necessary to get close enough to obtain a good result if you wish to avoid an image with saturated or “burnt” brightness. To do so, look at the image all the time as you move the cursors to control the effect of the expansion of the dynamics.

NEW! From version 4.0 there are three points of histogram adjustment. This allows adjusting dark, bright and middle (medium) point of the histogram.

The middle point works like “gamma”. It represents where is the limit between dark and bright values. Moving the middle point means compressing one side and extending the other side. If you move it to left, you are making the image brighter, because you are making the bright side bigger, and opposite occurs moving middle point to right.

The **Auto Histogram** button can be used to move the cursors automatically to adjust the dynamics of the image.

The **Auto Colour** button allows adjusting automatically the colour levels of the image.

**NOTE:** It is not possible to accumulate Auto Colour and adjusting histogram points without leaving the tab “Histogram”

### 4.3.8.4 – Sepia, Black and White, Sharpness

The remaining functions can be accessed in the “More...” section.

This button applies the “Sepia” effect to the picture selected. The image on the left remains intact for the purpose of comparison.

The sepia adjustments can be changed if required. To do so check the option “Change sepia values” to activate the control bars. These three bars will change the balance between the red, green and blue channels to obtain the sepia adjustment required.

If you wish to retrieve the default values, double–click each one of the three numbers of the colour channels.

For the new sepia values to take effect, the effect must first be applied to the current image.

With this button the image edited is transformed into a ‘black and white’ image. The image on the left remains intact for the purpose of comparison.

This tool allows you to modify the sharpness level of the image more or less, as required. For further details on the sharpness screen see section 4.3.8.5.

If you are not satisfied with any modification you can revert to the previous status by clicking the “Undo” button.

### 4.3.8.5 – Sharpness

This allows you to modify the sharpness of the picture. Applying positive values will sharpen the edges of the image. Applying negative values will leave the image slightly out of focus, thereby removing small flaws.

Once you have chosen the sharpness value click the **‘Apply’** button. Whenever you press this button the original image is used. Successive sharpness actions are not accumulated.

The image can be moved to see the results better by using the Zoom and Move options.

### 4.3.8.6 – Saving changes

When you save changes for one image and you decide not to modify but create a new one, you can choose the output format file between TIF, BMP, PSD (these ones with maximum

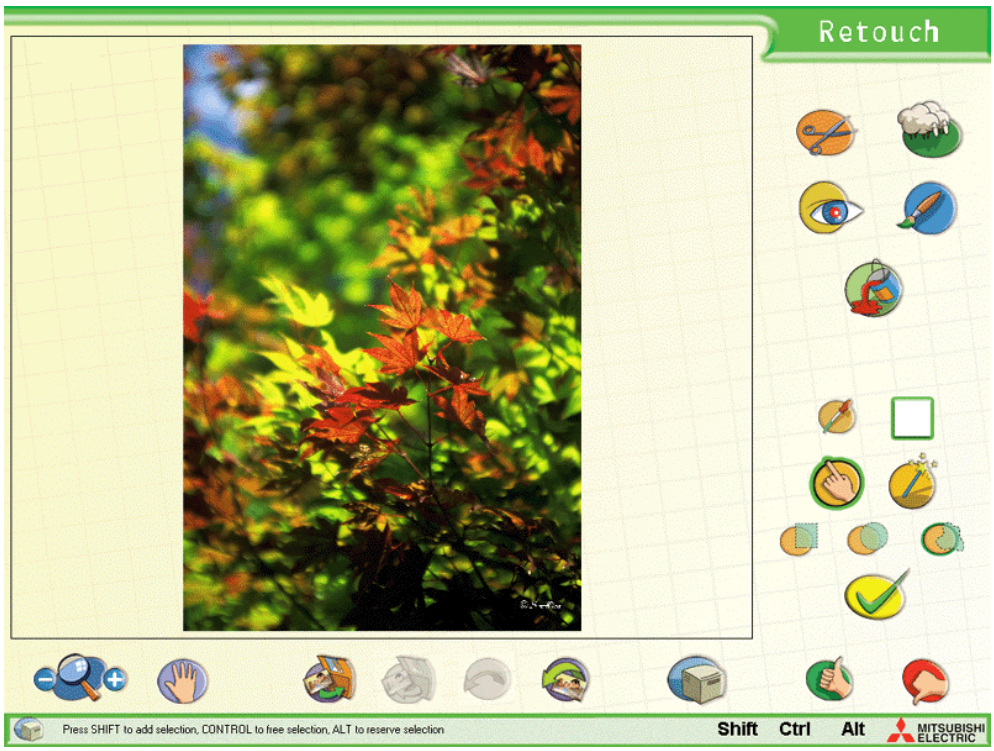
quality) and JPG (high quality and low compression). This is also valid in Decoration and Retouch screens.

The default name for the new file is the same as original plus some number added.

Only in Adjustments screen and when you are in “Sequential mode” appears the button “Cancel” in “Save Image” options. This button allows you to hide the save image screen without doing nothing. “Yes” accept changes, which are applied according the chosen options, and “No” doesn’t makes nothing but makes the action you have chosen, like navigate to previous or next image, or to exit the Adjustments screen.

### 4.3.9 – Retouch

The function of this application is to modify the format and the content of any image by selecting it on the Browser screen and clicking the 'Retouch' button.




This tool features the following functions:

You can increase or reduce image size to work close–up. Double–click the centre button to zoom right in. Once this action is active you can modify the level of zoom by clicking directly on the image as shown by the cursor icon when moved over it. The left mouse button increases the level of zoom, and the right button reduces it.

This function allows you to move across the image when it is bigger than the display area by clicking on a point and moving it to its new location.

Click this icon to save a temporary copy of the image being retouched, so that it can be recovered later.

The 'Restore' function' allows you to recover the saved temporary image by clicking the button.

Click this button to discard the last change made with any tool.

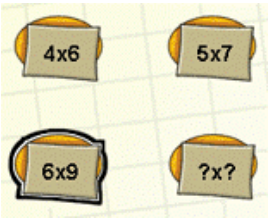
Click on this button to recover the image with the appearance it had before accessing this screen.

Press this button to print the image.

The labels **Shift**, **Ctrl** and **Alt**, which can be seen bottom right of the screen, have different functions depending on the action activated.

#### 4.3.9.1 – Cropping

This function allows you to redefine the format of the image without distorting it, optimising the size of the image, or making it possible to define it manually using a box, maintaining the proportions if you wish.




You can choose from three picture formats. This means that when you create a box inside the image it will take on the proportions of the format. If you do not want the box to maintain any proportion, choose the 'Free Format' option [ ? x ? ].

You can also create a box that optimises size simply by **double–clicking** any of the format buttons.

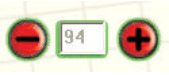
Once you have defined the box you can move it over the image and modify its size. When the appearance is right, click 'Apply' to validate the format.

#### 4.3.9.2 – Red Eyes

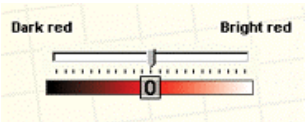
This function eliminates the so–called "Red Eyes" effect.

NEW! From version 4.0, it is possible to correct red eyes easier and faster.

To use the tool, click on the eye with this defect. You will see a circle that can match more or less with the size of the eye. This is the region where appears the red correction.



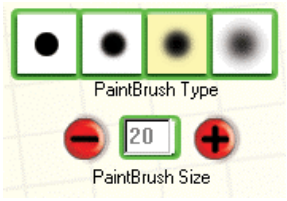

Use these buttons to make the circle bigger or smaller according to the size of the red zone. You can move the circle to fit better by dragging and dropping it.




Finally, use this bar to adjust correction if you don't have good results by default, and repeat the process for every red eye.

### 4.3.9.3 – Cloning

Its job is to copy regions of an image from one place to another in diffuse strokes.




To do this you can choose between different brush sizes and thicknesses.

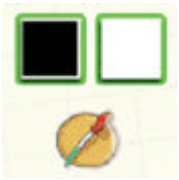
Mark the starting point on the image and paint in the area where you wish to copy the image.

This tool has different options:

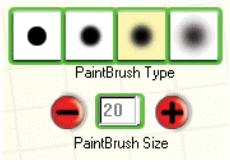
– By pressing **ALT** during cloning you can select a new starting point by clicking on the image.
– By pressing **CTRL** (Control) the starting point will not change position during cloning.
– By pressing **SHIFT** you can redefine the distance between the starting point and the target point.
– You will see that if you press the shift key on the keyboard (without clicking any mouse button) while the pointer is moving the starting cursor will remain fixed and the target cursor will move. If you release the shift key and start to clone (by clicking the left mouse button), the source–target distance will be the new one.

### 4.3.9.4 – Paint

This function allows you to paint soft lines of colour on the image.



You can select the drawing colour using the ‘Dropper’ (or by pressing **Alt**) and clicking directly on a colour on the image, or **double–clicking** the colour boxes and then choosing one from the palette.

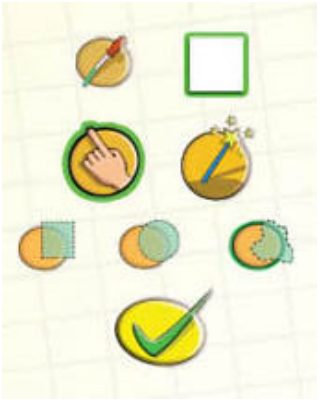



You can also choose between different Brush thicknesses (transparency) and sizes.

#### 4.3.9.5 – Filling

This tool selects a region for filling it with a given colour by clicking the 'Apply' button.

There are two modes for selecting a region:



– **Free hand**: on the screen it is the button with a drawing of a hand. You can create a closed shape by free hand. You can choose between an uneven, square or oval outline depending on the active selection.

**– Magic wand**: you need to choose a degree of colour tolerance and then select a colour of the image. All the contiguous pixels of the same or a similar colour will be selected.

You can also add new regions to the current one by pressing the **Shift** key on the keyboard while you draw the new area, or eliminate part of the region created using the **ctrl** key.

### 4.3.10 – Decoration

This tool allows you to add images, texts and motifs with transparencies, as well as place the picture on a background or insert it into a frame or calendar. This screen works with the images as if they were objects that can be moved over the main image, size and proportions can be changed and merged with the background.

This tool has common actions regardless of the mode you are working in:

To insert text, click on this button and then define a box on the image at the place where you want the text to be. You can then write the contents. To do so click the on–screen keyboard button). Text style is user–configurable, as can be seen in the image: you can change font or typeface, size, mode (normal, bold, italic) as well as the colour of the text simply by clicking on the colour box.

NEW!

From version 4.0, it is possible to write multi-line text, combine text styles, text alignment, and aligning objects to a grid, as well as doing up to 20 undo actions.

With these panels we can choose the style and define the text alignement.

You can press Ctrl Key on the keyboard or use this button if you want cliparts not to respect aspect ratio.

Checking the “Grid” Check-box the objects will move through a virtual grid, in order to be aligned easily.

If you have selected an object other than a text, this function opens a dialogue box where you can select a fusion mask and the degree of transition, and combine, in soft fashion, the image selected on the background.

When you have an object selected, this function rotates it 30º clockwise.

Click this button to eliminate the object or objects selected

The 'Undo' function discards the latest 20 changes made to the image

Click on this button to recover the image with the appearance it had before accessing this screen

The objects may be selected either by clicking or creating a window on the image, with the objects inside it selected.

The 'Decoration' tool allows you to work in different modes depending on the actions you wish to carry out. The change between any of these modes will fuse the objects you were working with and the background image into a single image. To insert an object **drag it to the image**.

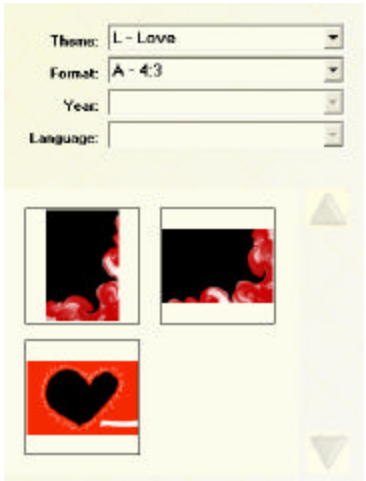
**Backgrounds**. The image you are working with becomes an object that will float on the background selected in the list. You can combine both objects by a soft transition between the two images.

**Motifs**. In this mode there are different motifs or decorative figures to choose from with the common characteristic of having a plain background colour, which allows you to have transparent outline figures.

**Calendars**. On accessing this mode, the calendar that is selected will be placed on the image, which can be seen through a transparent area. Moreover, you can modify the size and position of the picture on the calendar (See section 4.3.10.2).

**Frames**. If you choose this mode you can select a frame that will be added to the picture, and you can adjust the position and size of the image inside it (See section 4.3.10.2)

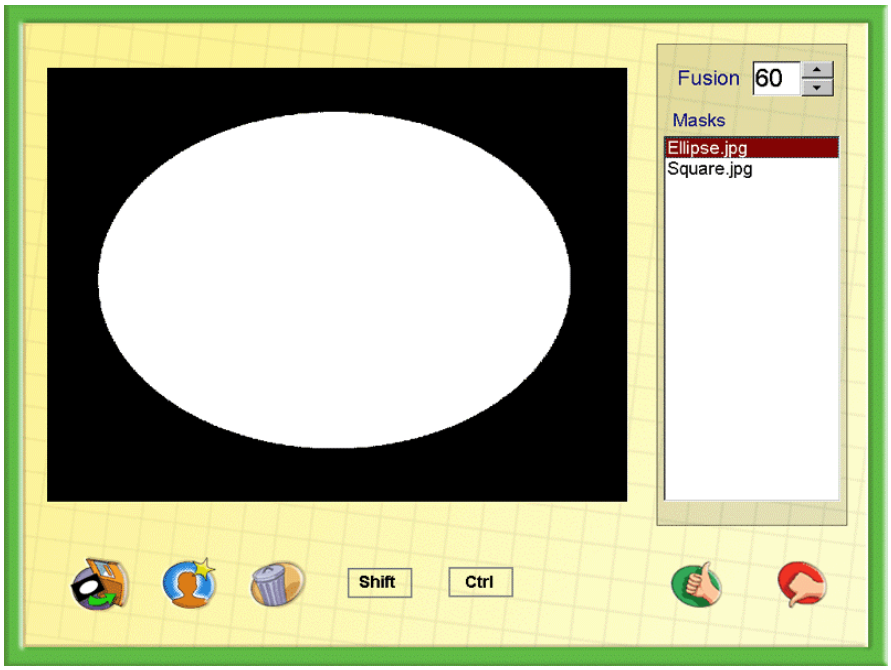
**Image browser**. It shows a list of the images container in the work folder so that they can be inserted as objects.




NEW! From version 4.0, it is possible to filter the images which follow the DPS naming conventions. You can filter by Theme, Format, Year and Language (year and language, are only available for Calendars). It is possible to accumulate the filters.

In this way, you can view only "wedding" frames, or "2005" and "Format A" Calendars. To do this, you can choose the filters you prefer in the drop-down lists. If the files are not filterable, in the lists only will appear "All" option, that shows all pictures and so, any filter won't be applied.

#### 4.3.10.1 – Fusion



When you press this button to apply the fusion effect on an object on the 'Decoration' screen, the fusion configuration dialogue box will appear. Here you can define its degree and choose a mask or create it again.
To apply the fusion effect you must define the degree of fusion and select a mask from the list of available masks. There are also other options:

You can create new masks to add to list of available masks. After clicking this button you can draw a region on the image.
During the region drawing process, new regions can be added to the current one by pressing the **Shift** key on the keyboard as you draw the new area, or you can delete part of the region created using the **ctrl** key.

This button transforms the region defined on the image into a new mask, which must be named.

If you have created a mask you will never use again you can delete it by pressing this button.

If you accept without saving the mask, the latter will be applied, although it will not be saved for future applications.

### 4.3.10.2 – Calendars and Frames

NEW! From version 4.0, Calendars and Frames are composed with a real-time fusion.

The frame or calendar selected will appear on the picture that is being decorated.
You can adjust the position of the image with the following tools:

You can increase and reduce size of the picture, adjusting it to the transparent region of the frame or calendar.

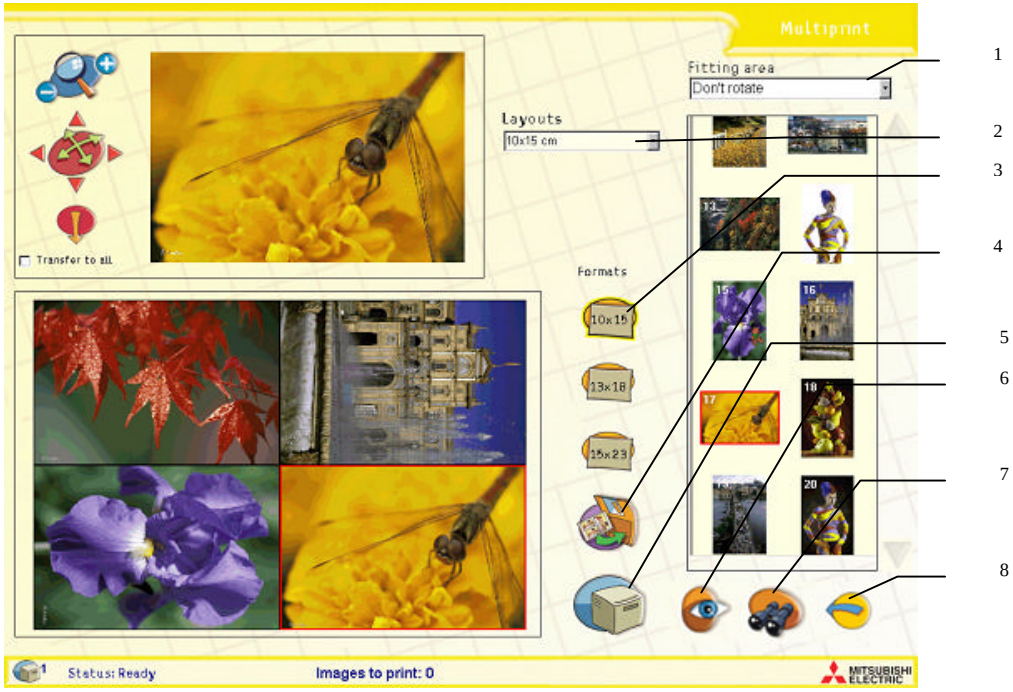
Press the arrows to move the area behind the frame or calendar.

Clicking on these icons will rotate the image to fit it squarely into the frame or calendar.

Once adjusted, you only have to press OK to return to the main Decoration screen.

## 4.3.11 – Multiple printing (Multiprint)

This screen is used to configure the print sheet on the basis of the combination of several pictures. Different types of layouts can be chosen depending on the format chosen. You can also adjust the fit of a picture in the print area: this is very useful if you wish to print the whole image instead of bleed printing and losing part of it.



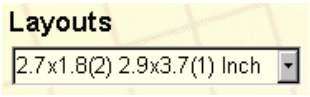

1: Fitting area rotation.
2: Choose layout.
3: Paper size select.
4: Save printing area (composition).
5:Print.
6: View image.
7:Browse.
8: Back to Main.

It is very easy to use, you choose a picture, drag it to the adjusts box, modify its size and position and transfer the image to one or several positions of the layout. You can also drag the picture directly to the layout if a perfect fit is not necessary.
If an image has already been inserted you can adjust the fit by dragging it to the adjust region.
When placed on the adjustment box the images are rotated in a default direction which can be varied, **see (1)** on the example image.

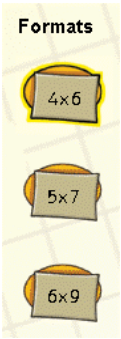
**Zoom**: This tool allows you to modify the portion of image that will be displayed in the layout, increasing or reducing its size, but without modifying its proportions.

**Move**: It moves the picture in the box that will later be part of the layout.

**Transfer**: It copies the contents of the adjustment box to one of the boxes of the layout or to all of them if thus specified, activating the '**Transfer to all**' Option. To select certain composition boxes check with the pointer while holding down the Ctrl key on the keyboard.




**Layouts**: Use this option to choose between different modes to compose the pictures. Each format has its own layouts.




**Formats:** You can choose from the three pre–defined formats. Each one of these formats will allow you to choose between different types of combination of pictures.

Format “Others” is added from version 4.0

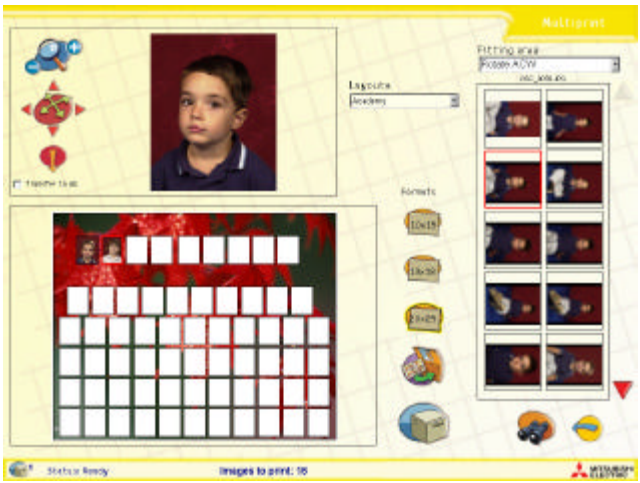
**Print:** It will print the layout using Print tool dialogue box, where you can select the number of copies to be printed.

**Save printing composition:** With this button is possible to save the printing composition for future use. It’s useful for “Academy” printings.

**Browser:** With this button it’s possible to choose the folder where the Imagepanel reads the images from.

#### 4.3.11.1 – How to make “Academy” compositions

You can compose your own “Academy” pictures in Multiprint.



1) You should choose the 20x25 paper size.and look for “Academy” in Layouts.
2) In Layout Area, select the background in red.
3) Now you can drag in the background of the Layout Area a picture you have prepared previously. You can search for it through Browser button.
4) Drag each picture to the desired position. If you want, you can save the composition and recover later to go on working with it.

NEW!

From version 4.0, it is possible to delete each image inserted in compositions, including the background of Academy. To do this you have to make right click with the mouse on the image, and select the option desired in the pop-up menu.

## 4.4 – DIGITAL CAMERA PROCESSING

This application has everything you need to print, quickly and easily, pictures taken with any digital camera using standard market formats. You can view the images comfortably and apply any colour modifications you wish before print out.

You can also create an 'Index Print' of all the images from the digital camera selected in the Browser. Some of the options of this application are disabled, namely “Decoration”, “Retouch” and *MultiPrint*. To perform this type of actions with pictures from a digital camera choose the Photo Studio application.

### 4.4.1 How to read and print images from a digital camera card.

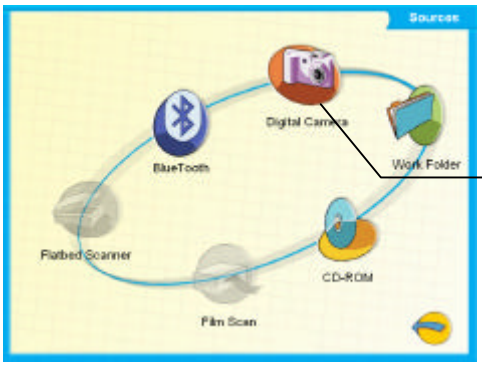
Proceed as follows when a customer delivers images taken with a digital camera with a digital card (CompactFlash, SmartMedia, MemoryStick, etc.).

Proceed as follows.

Digital Camera Processing

1) First of all, in the main screen, choose the digital camera option.

**2)** Then choose the type of source device used by the customer: if it is a digital camera, click the drawing of the camera.




Digital Camera

3) On clicking digital camera, you will be prompted to insert the digital card: CompactFlash, MemoryStick, etc. Insert the card before clicking OK.

4) OK the message.

5) You will then be prompted to load all the images from the device or only some. This option is useful when you know that there are a lot of images on the input device or if they are large and you want to avoid a long loading time.

6) If you select all images, a loading process with a progress bar will begin immediately, and once the process is complete the browser screen will appear and display the images loaded.

7) If you only wish to select a few images the Selection screen will appear. To learn how it works see section 4.2.2.

8) Once the loading process is complete, be it all or some of the images, the user will be prompted to remove the digital card. It is important to do this to guarantee the security and integrity of the customer's data. Images from digital cards are copied temporarily to memory to work safely with them. On returning to the main screen of the program they are automatically deleted from memory. *The only way to keep them on the machine (with the customer's permission) would be* ***to export them*** *first*.

9) When the user accepts the message to remove the card, the Browser screen will appear.

10) Depending on the type of images being loaded, all the miniatures will be displayed or else a slower one–by–one loading process will take place. This is due to the characteristics of the original images and not the DPSClick system.

11) The images loaded are distributed in different pages of the main panel of the Browser screen.

12) You need not complete the miniature loading process on a page if you do not want to. This process can be interrupted by clicking the pause button to the right of the image panel. This may be useful to access the next page directly if each page is taking a long time to load. When you go back to the pages the loading process will restart from where it was interrupted.

13) Once the image loading process is complete you can select one and examine it with the Preview button (see section 4.3.1 of the manual), return to the Browser screen and click the print button, for example.

    The following menu will appear, where you can change the number of copies per image to be printed, the format (in the example it is 10x15cm) and the optimisation of the printer for colour or Black and White / Sepia.

    On clicking OK the jobs will be placed on the spooler.

Other possible actions include clicking the Adjustments button to adjust the brightness or the colour of the image (see section 4.3.8 of the manual) and return to the Adjustments screen to print the adjusted image. You can also choose whether to select several images at once and click the print button, or else press the **Index Print** button.

**Index Print**: Once the parameters have been set on the Configuration screen this tool creates index prints using the miniatures of the pictures selected. This may be useful for the customer to know which images he has recorded on the digital card, for example.

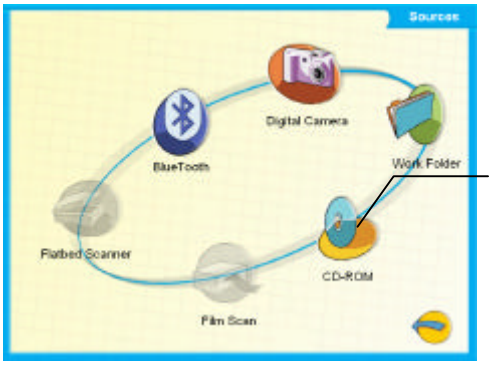
## 4.4.2 – How to read and print images from a CD–ROM.

Proceed as follows when a customer delivers images taken with a digital camera and saved to a CD–ROM.

Proceed as follows.

1) Firstly, in the main screen, choose the digital camera option.

2) Then choose the source device used by the customer: in this case the CD–ROM.




3) Open the CD–ROM drive tray with the eject button normally located to the right of the drive face at the front of the equipment. Place the customer's CD–Rom in the tray and press the drive button again to close the drive.

4) Click the CD–ROM icon on the Inputs screen. If there is no CD–ROM inserted in the tray the following message will appear: “Cannot access device”. Proceed as in the previous step.

5) The Selection screen will appear. To learn how this works see section 4.2.2 of the manual.

6) Once the loading process is complete the Browser screen will appear.

7) Depending on the type of images being loaded, all the miniatures will be displayed or else a slower one–by–one loading process will take place. This is due to the characteristics of the original images and not the DPSClick system.

8) The images loaded are distributed in different pages of the main panel of the Browser screen.

9) You need not complete the miniature loading process on a page if you do not want to. This process can be interrupted by clicking the pause button to the right of the image panel. This may be useful to access the next page directly if each page is taking a long time to load. When you go back to the pages the loading process will restart from where it was interrupted.

10) Once the image loading process is complete you can select one and examine it with the Preview button (see section 4.3.1), return to the Browser screen and click the print button, for example.

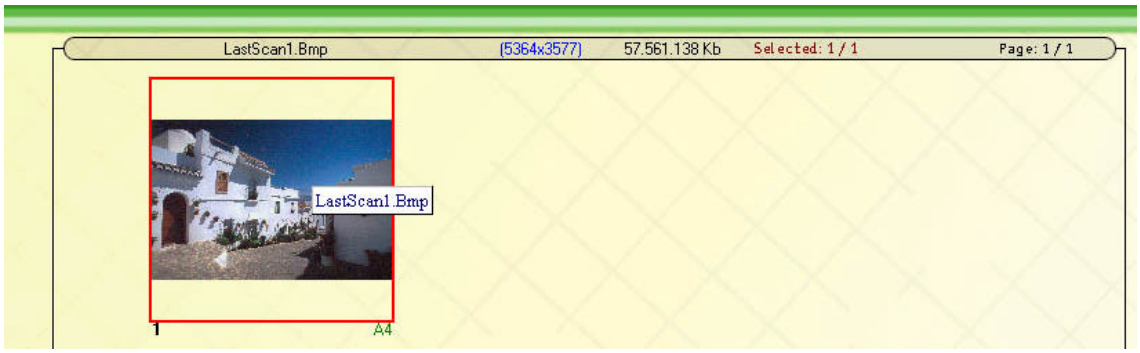
    The following menu will appear, where you can change the number of copies per image to be printed, the format (in the example it is 10x15cm) and the optimisation of the printer for colour or Black and White / Sepia.

    On clicking OK the jobs will be placed on the spooler.

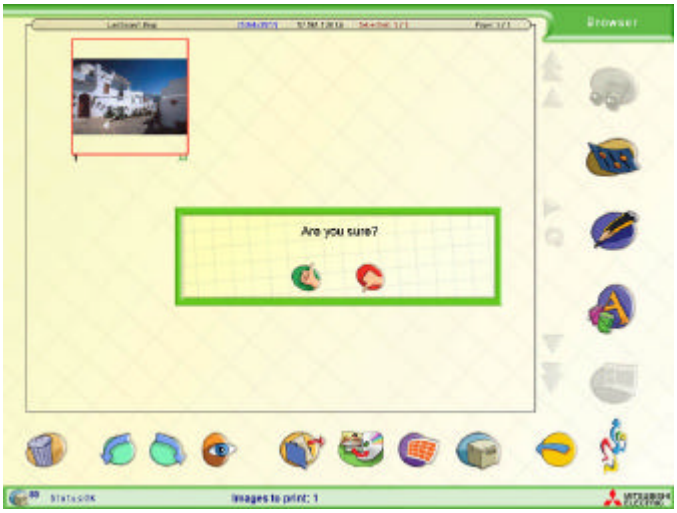
#### 4.4.2.1. Management of big images

Some customers are going to photo-shops with CD-ROM with big image files with big resolutions (each file 100Mb, for example).

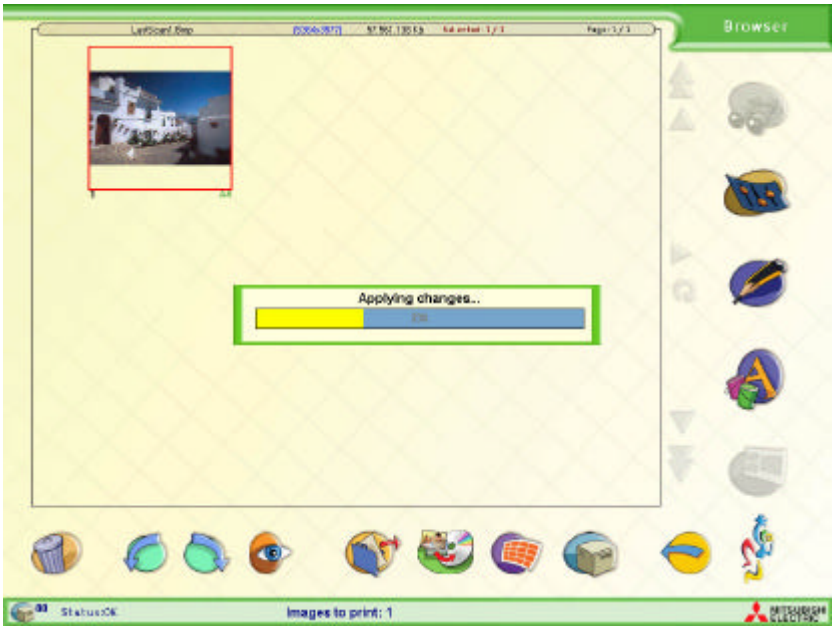
Once the file is loaded after a few minutes, if you try to adjust the colors or make some decoration with the image, is very hard to work with it. As the maximum resolution needed for CP3020 is 25Mb, you can reduce those big files to 30Mb if you want. You will be warned of the big resolution because this is marked in blue in the information bar of Browser screen.



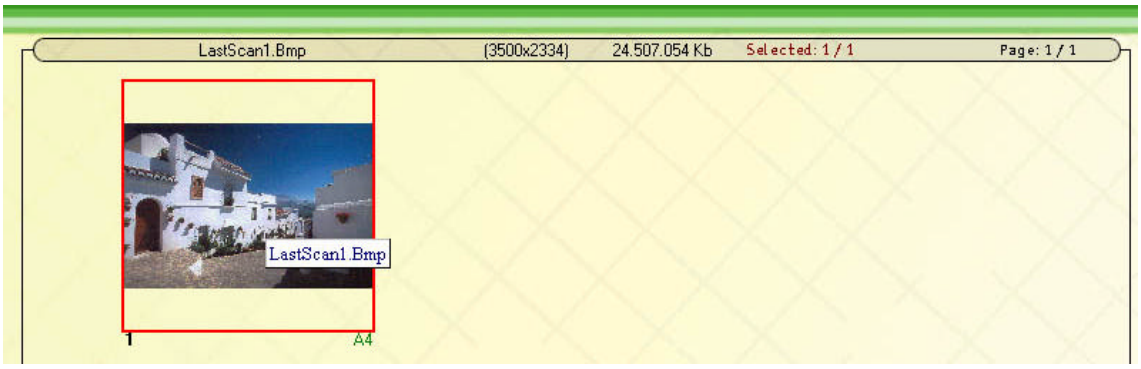

If you make double-click over this information, you will be asked if you are sure to reduce image size, like this:




If you accept, the reduction process will start.




Now you can check that image resolution has been reduced in order to work with it properly, but with enough quality for the printers.




If a customer is coming with more than one file greater than 50 or 60Mb saved into a CD there is a trick you can use to work faster with those files:

Start loading the files from CD as usual, but when you see the first image is loading, press pause button. Make double click in the background to select all empty boxes, and export them to the hard disk. After this, loading progress starts again but you can cancel it. Go back and enter through Work folder option in sources screen. Search for the folder where you copied the files and load them now from there.

### 4.4.3 – How to read and print PhotoClickCD images in DPSClick

To access the images of a PhotoClickCD from DPSClick (for second copies, for example) access Photo Studio or Digital Camera Processing from the main screen. On the next screen, choose CD–ROM.

NEW! From version 4.0 DPSClick detects PhotoClickCD's and loads automatically **HighRes** folder of the CD.

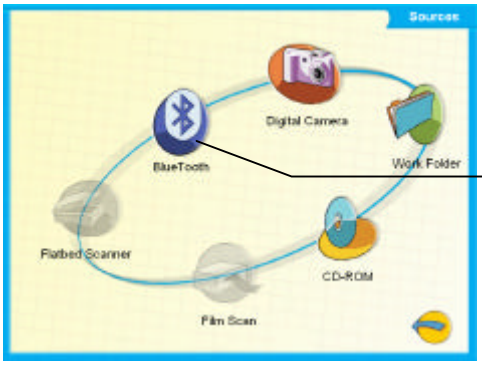
### 4.4.4 – How to read and print images from Bluetooth devices (only from DPSClick v.2.21)

Proceed as follows when a customer delivers images taken with a Bluetooth device.

1) First of all, in the main screen, choose the digital camera option.

Digital Camera Processing

2) Then choose the Bluetooth source in Sources screen.




Bluetooth

3) Now you are prompted to search in the Bluetooth device of the customer any new Bluetooth device called “BTDPSClick” (by default) or the name that was previously set in DPSClick “Sources” tab of Settings screen, in Bluetooth ID text box. DPSClick system is waiting now for any image sent from the Bluetooth device of the customer.

4) Once you have detected DPSClick system in the Bluetooth device of the customer and sent any image to it, DPSClick will warn you about new received images.

5) When all images are sent, you can accept and automatically all the images will be loaded in Browser screen.

6) Refer to section 4.4.2 if you want to print these images.

## 4.5 – PHOTO ID

This tool allows you to make ID/passport–type pictures from a digital camera. Click this button on the main screen to start the process for Photo IDs.
The next section describes the steps to be followed.

### 4.5.1 How to compose and print a Photo ID using standard digital camera.

1) First of all, the user of the equipment must take the picture of the customer using a digital camera that uses one of the digital storages devices compatible with the equipment: CompactFlash, Smartmedia, MemoryStick, SD card, etc. The camera can be in landscape or portrait position, as preferred, although if it is portrait then the same orientation should be used always to configure DPSClick for Photo ID to work as efficiently as possible.

2) Once the pictures have been taken, **switch off the camera** and remove the card.

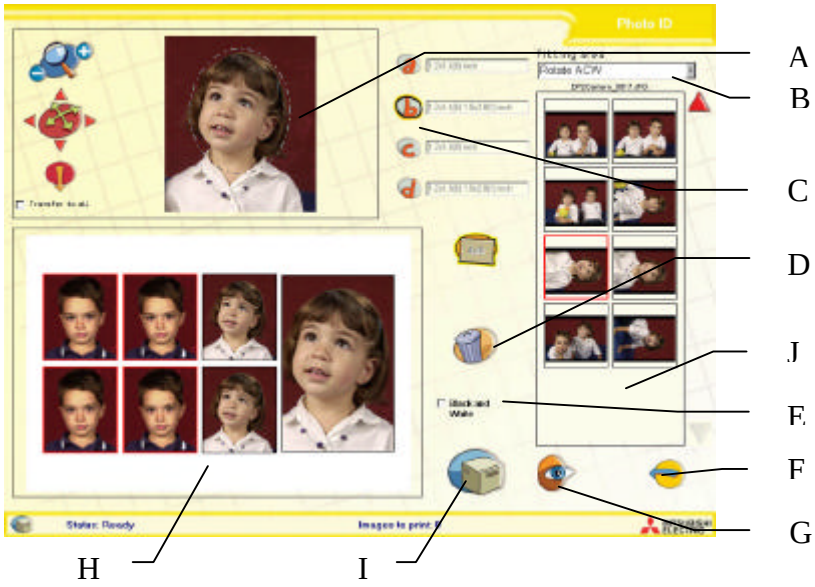
3) Click the Photo ID button on the main screen of DPSClick and insert the card when prompted by the program. It is important to remember that the equipment can only have one type of digital card inserted at once. If, for example, a Compact Flash and a SmartMedia card are inserted at the same time, it is not possible to guarantee which one will be used to enter the images.

4) On clicking the OK button after inserting the card, the images will be copied automatically to the memory of the equipment.

5) Once this process is complete the user will be prompted to remove the card from the DPSClick reader.

6) After accepting this step the Photo ID screen will appear.

7) Choose the composition you wish to work with (a,b,c or d). On clicking one of them, you will notice the change of format in the Adjustment Area (A) and also in the Layout Area (H).




A:Adjustment Area. B:Rotation mode. C:Pre-defined layouts. D:Delete Picture.
E:Convert to Black & White. F:Back to Main. G:Browse.
H:Layout area. I:Print. J:Image Panel

8) On the right of the screen is the **Image Panel** (J). The images are dragged from there towards the Adjustment Area (or also to the Layout Area directly), although the format to be adjusted must be known before doing so. To do so click the picture format to be adjusted on the Layout Area. This is necessary because the different formats (Photo ID, passport, wallet...) do not have the same proportion.

9) Once an image has been dragged to the **Adjustment Area**, its size and position can be modified to fit it into the compulsory area.
The adjusts area box shows a dotted line that will be used in the Photo ID format to adjust the size of the customer's face inside the area.
When dragging a landscaped format picture (as it comes from the digital camera) to the adjustment area and this area has portrait format (it is higher than it is wide), the image is automatically rotated. Nevertheless, this pre–configuration can be varied, and you can pre–define the direction of rotation you prefer (see "Fitting Area" in the example image).

10) Once you have adjusted the fit of the image, it can be transferred to one or several positions of the layout. If you check the label "Transfer to all" the adjusted image will be copied to all the boxes of the Layout part.
If the image is not properly centred in the layout box, the box will be checked, the original image will be re-dragged from the Image Panel to the Adjustment Area (you will see how the appearance ratio changes automatically to match the new box) and will be readjusted.

11) Once the layout has been prepared click the print–out button (I). Proceed as in the sections on print–out of sections 4.4.1 or 4.4.2 of the manual.

**Configuration:** The program's main Settings screen (start screen) allows you to choose the four layout formats that can be chosen and which one will be selected by default.

**Zoom**: This tool allows you to modify the portion of image that will be displayed in the layout, increasing or reducing its size, but without modifying its proportions.

**Move**: It moves the picture in the box that will later be part of the layout.

**Transfer**: It copies the contents of the adjustment box to one of the boxes of the layout or to all of them if thus specified, activating the '**Transfer to all**' option. To select certain layout boxes check them with the pointer as you hold down the Ctrl key on the keyboard.

**Layouts**: You can choose between 4 layouts (A – D) defined beforehand in the Settings screen.

**Format**: The Photo ID screen is prepared to work with its own format (selected beforehand on the Configuration screen). In the example it is 10x15.

**Black & White:** if this option is checked, any image sent to the Adjustment Area or Layout Area is converted to Black&White.

**Print**: It will print the layout using Print tool dialogue box, where you can select the number of copies to be printed.

### 4.5.2 How to compose and print a Photo ID using DIS900D Digital Camera.

1) First of all, the user must check that DIS900D camera is connected to DPSClick system through USB port and set up in DPS mode (refer to DIS900D operation manual). Besides, DIS900 mode must be checked in Settings screen of DPSClick, in the PhotoID tab.

2) Click the Photo ID button on the main screen of DPSClick. After this, the Photo ID screen will appear.

3) Once the picture has been taken pressing DIS900D Shot button, press DIS900D print button.

4) When "Sending image" message appears on DIS900D LCD screen, you should see how automatically the image appears in the image panel and it's also composed inside layout area.

5) Refer to Section 4.5.1) to go on with ID composition process.

## 4.6– PHOTO STUDIO

This tool will be used to perform the tasks of a digital photo studio, allowing you to take studio photos, preview them on the equipment screen and make any necessary adjustments.
Another one of its most outstanding functions is the possibility to make fun photomontages, mixing images by fusion effects, cloning areas of the image in order to correct small flaws in the pictures or modifying the format of the image to make it match the print format.

This tool works just like the 'Digital Camera Processing' tool, the difference being that the 'Retouch, 'Decoration', 'MultiPrint' and 'Index print' functions are available.

**Retouch**: This accesses the screen where you can change the format of the image, paint, clone areas and modify red eyes.
(**See section 4.3.9**).

**Decoration**: This opens the screen where you can insert images in the form of motifs and fuse them with the picture, place the image selected on a background or in a frame, insert text or compose calendars (**See section 4.3.10**).

**Multiple Print Out**: This accesses the 'MultiPrint' screen where there are several utilities needed to compose a picture comprising several images, with the possibility of creating from different styles of layout.
(**See section 4.3.11**).

## 4.7 – COPY TO COPY

This tool is designed to obtain, quickly and simple, copy to copy and enlargements of pictures that have already been processed either on paper or films and slides. This is done by means of a simple work environment where you can distinguish between obtaining the images from a flatbed scanner or a Film scanner.
.

Both devices must be set up first, and while you may have different scanners installed, you can only have one of each type selected (flatbed and transparency). This should be specified in the 'Settings' screen.

Once the images have been scanned or the digital storage device where pictures are located has been selected, you will access the 'Browser' screen, where all the tools are available.

### 4.7.1 – Scanning

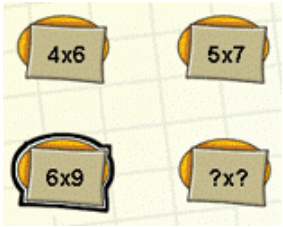
#### 4.7.1.1 – Basic Mode

This screen provides a quick and simple way of obtaining pictures from a flatbed scanner or films and slides.

If you access with the flatbed scanner and the Advanced mode deactivated (see section 4.9.2 of the manual), the following options will be offered:

**Preview**: It displays a preview box with a low–res image of a DIN–A4 size scanning area.

**Scan**: This obtains the image through the scanner and adds it to the work folder. The 'Browser' screen is then accessed.




**Formats**: There are different output formats for Print out: 10x15, 13x18, 15x23 and free format. You therefore prepare the image proportionally to the hard copy to be obtained. All formats are scalable and can be moved over the preview surface.

Switch between horizontal or vertical area.

#### 4.7.1.2 – Advanced Mode

For all approved film scanners and flatbed scanners for DPSClick configured in Advanced Mode the equipment will not work with the previous options, as the scanner manufacturer's application will be activated. This provides greater control over scanning parameters, albeit reducing ease of use. See the manufacturer's manual for instructions on how to use the scanner.

Once you have scanned the image in Advanced Mode it will appear in the 'Browser' screen.

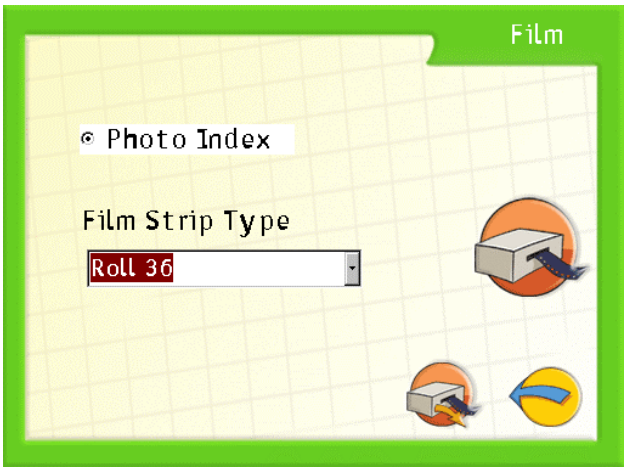
**IMPORTANT NOTE:** DPSClick is Twain compatible, to run in both Basic and Advanced modes, but it depends on the scanner software TWAIN implementation.

**WARNING:** THE MANUFACTURER CANNOT BE HELD RESPONSIBLE FOR THE OPERATION OF THE EQUIPMENT IN CASE OF THE **INSTALLATION OF A SCANNER** THAT IS NOT IN THE LIST OF **APPROVED OR TESTED SCANNERS**.

## 4.8 – FILMS

This utility allows you to make a batch scanning of full or cut film strips and slides, mainly to make an Index Print for fast and simple access later.
It is based on rapid processing, but it also allows you to work with the images later, print them separately or record a CD–ROM with them, depending on the scanner.

### 4.8.1 – LS4000 Film scanner




The following dialogue box will appear where you can choose the type of processing.

It scans the film in the Scanner. Once this function has been carried out you will access the 'Browser' screen, although it is also possible to return to the previous screen to scan and add more images.

It ejects the film from the Scanner.

To quit Film Index Print screen.

**Types of Processing**: this option tells the application the format of the negative film, specifying whether it is cut into fragments of 4, 5 or 6 pictures, or whether you wish to explore an uncut film of 24 or 36 pictures.

### 4.8.2 – Prime Film 1800 LAB Film scanner

If DPSClick system is working with PF1800LAB film scanner, you can choose between different automatic output resolutions, from slow speed and big file size to fast speed and small file size:

**1- High Resolution:** the best resolution to print later in W size.
**2- Medium Resolution:** the best resolution to print later in L size.
**3- Low Resolution:** it scans images at 800x600 pixel. For burn a low-resolution CD-ROM, with no printable images.
**4- Photo Index:** this resolution will be only useful to make an Index Print of the scanned images.

There are also other options to choose before start batch scanning:

**Film Type**: you can choose between different film manufacturers, in order to get the best quality.

**High Quality:** available only for Medium and High Resolution options. You can improve the quality of the scanned images, but increasing the scanning time.

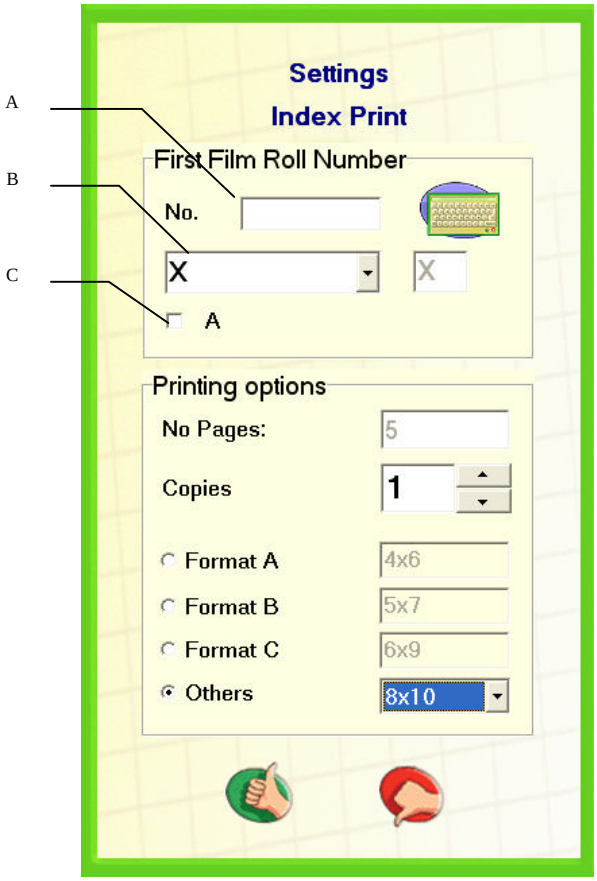
It scans the film in the Scanner. Once this function has been carried out you will access the 'Browser' screen, although it is also possible to return to the previous screen to scan and add more images.

It scans Slides in the Scanner.

It ejects the film from the Scanner.

To quit Film Index Print screen.

**Index Print**: once in the Browser screen click the Index Print button to bring up the corresponding menu, already dealt with in section 4.3.1.



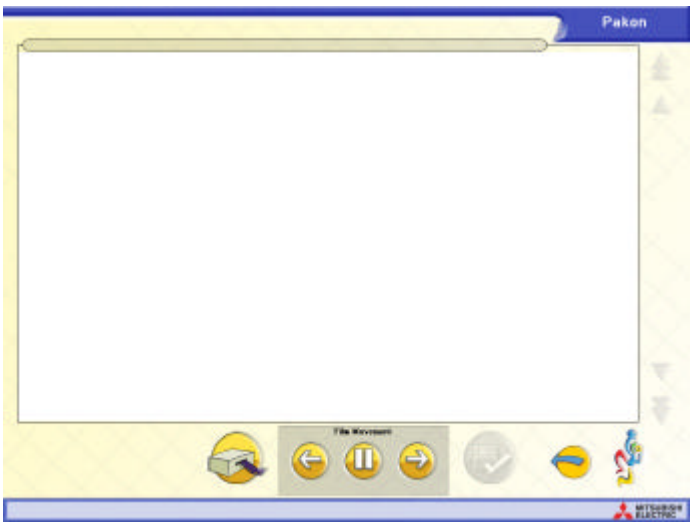

As you are working with strips of film, it may be necessary to identify the reel associated with the Index Print that is to be printed. To do so, complete the "A" space. This information will be printed on the paper of the Index Print.

It is also possible to identify the miniatures with the same number and letters as those that appear on the film. To do so, write the number or letter of the first valid image of the film in section "B".

If the label of the strip of film begins with the letter A, it can also be selected in option "C".

NEW!

### 4.8.3 – Pakon Film scanners (F135 & F235)




Pakon F135 and F235 are full integrated in DPSClick software from version 4.0. That means you don't have to run any kind of external software to use these film scanners.

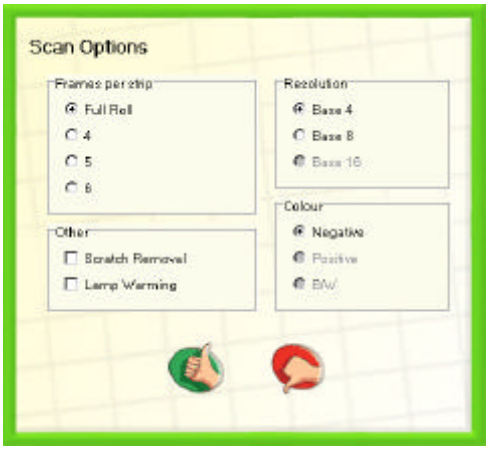
The screen that appears when using Pakon scanners consists of a browser-based interface. The biggest part of the screen will be used to show the thumbnails of the scanned photographs. On the bottom you will find the buttons necessary to operate with the scanner.

F135 and F235 Pakon scanners work identically. The only difference in DPSClick interface between the two scanners is the resolution and colour modes.

When you enter Pakon screen, the first action that occurs is the scanner initialization. If there is any problem during initialization, the scanner will not work.

Click this icon to scan. It shows a form where you can choose the scan options.

Check here the options you prefer.



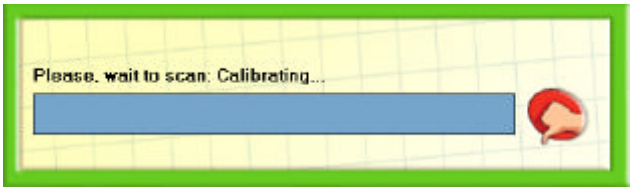

**Frames per strip:**
Full roll: Use this if you want to scan a full roll of images.
4, 5, and 6: chose one of them if you have strips of 4, 5 or 6 images, respectively.

**Resolution:**
Base 4: use this to print up to L size.
Base 8: use this to print up to W size.
Base 16: use this to print up to A4 size (F235 only).

**Colour:**
Negative: check this to scan negative films.
Positive: use this to scan positive films (F235 only).
B&W: use this to scan Black and White films (F235 only).

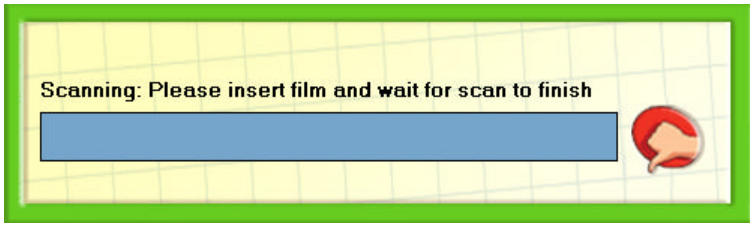
**Other:**
Scratch Removal: check this to enable Digital Ice™ scratch removal technology when scanning. Enabling this, the scanning time will increase.
Lamp Warming: if you want to obtain the optimum quality you must to check this. Be care with F235, because its lamp warming can take a very long time, in order to obtain the best results.

Once you have chosen the options, click OK to start scan process.




A progress bar like this appears when scanner is making some action. Over it, it is showed a message that you must follow. When starts scanning process you must wait while the scanner is calibrating or warming up.

Don't insert the film into the scanner until you have prompted:




At this point you can insert the film into the scanner. If you insert a full roll, you could want wait for scan to finish, but it is possible to cancel the process when you want, by pressing Cancel button next to the progress bar. You will obtain only the images scanned.

If you have chosen scanning strips, you can insert them sequentially. Every time you have a strip scanned, the progress bar will increment a step. To finish scanning strips, you have to press Cancel button or wait scanning time out.

It is possible that during the scan process you were warned with a message like this:

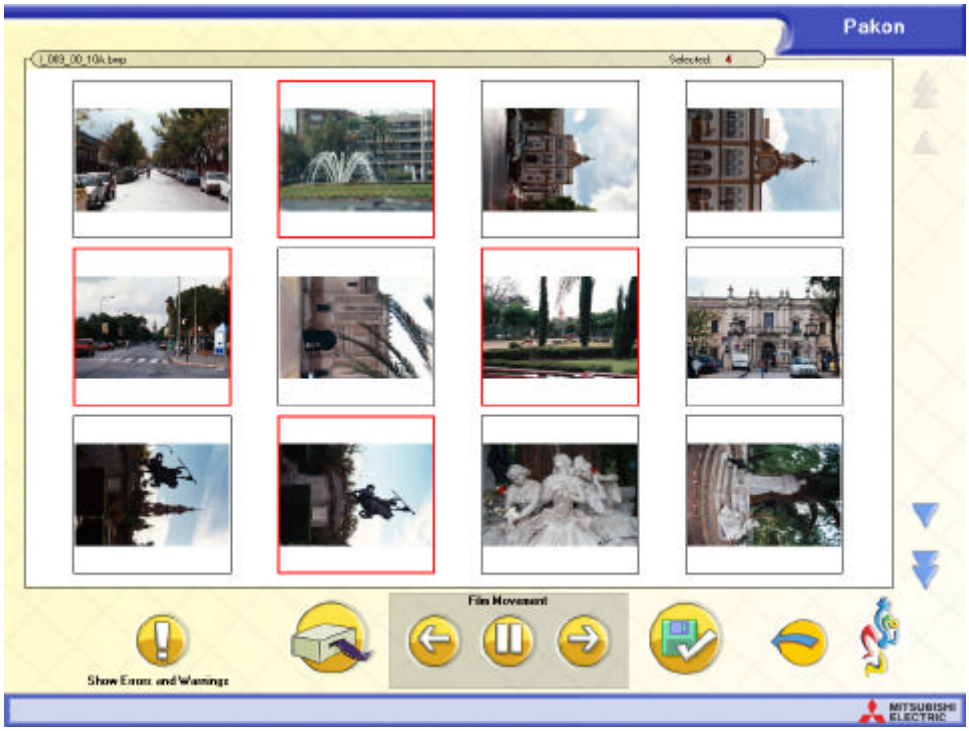
You can choose not show the message again (only for warning messages).

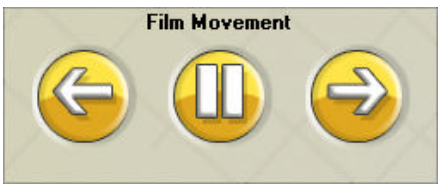
To hide message, press OK button.

This message warns you that you have inserted the film with the emulsion down. This means that you will obtain the scanned pictures mirrored, and the quality will be lower. In order to obtain the best results you would have to cancel scan and insert the film again in the correct position.

There are these other quality warnings:
Film tail first: means that you have inserted the film starting with the tail, and it is possible that the picture numbers were recognized incorrectly.
Lens/Light bar cleaning required: means that you have dirty parts of your scanner, which can affect the results. See users guide or contact your dealer to know how to clean the scanner.

After scan, the thumbnails of the images will appear at Pakon browser:




If the film has been retained into the scanner, you can expulse it moving back or forward, using these control buttons. Don't leave a film in the scanner, because you will be warned to have film in guides the next time you want to scan.

With this button you can view all Pakon messages showed in this session.

To save definitively the images you want, select them on browser and click this button.

This dialog will appear in order to choose in which place you want to save your images.

You can delete or create folders into Pakon folder, by using these buttons:

Pakon folder is a child of Working Directory, so you can access it from browser screen.

You can also choose the output format: JPG at maximum quality, BMP or TIF.

Click OK and your pictures will be saved. Then, will appear DPSClick browser where you can print, make index print, adjust, and so on.

Please, read Pakon users guide to know the limitations and more specifications about Pakon scanners.

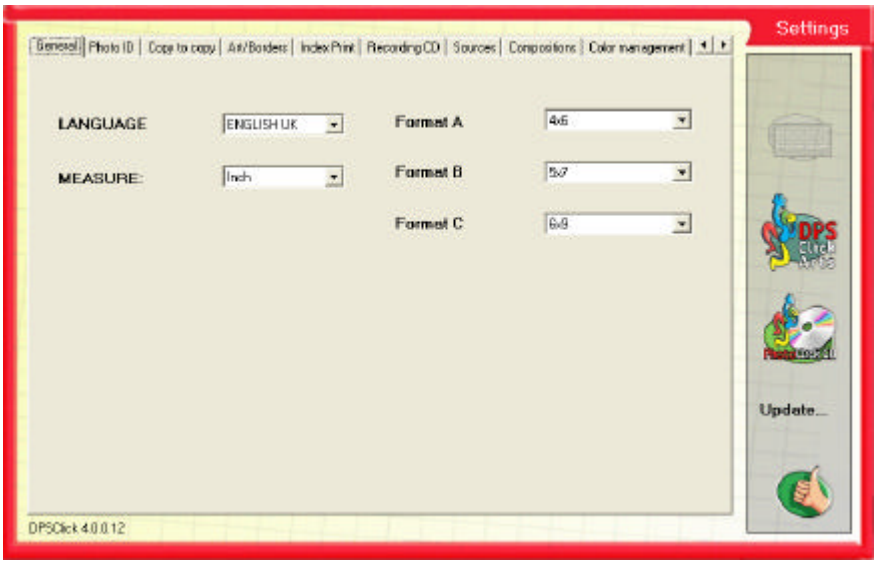
## 4.9– DPSCLICK CONFIGURATION

### ‘Settings’ Screen

This button of the main screen is used to access the Configuration screen, where the different parameters of the program can be configured.

### 4.9.1 – General.

This section configures the general options of the application, such as language, the type of format you wish to print with, etc.




| | |
|---|---|
| **LANGUAGE** | Selects the language of the application. |
| **MEASURE** | Unit of measure used to display dimensions in any screen of the program: centimetres or inches. |
| **FORMAT A** | First type of predetermined print format. |
| **FORMAT B** | Second type of predetermined print format. |
| **FORMAT C** | Third type of predetermined print format. |

**DPSClickArts:** through this icon it is possible to start an updating procedure of new ClickArts CD, DPSCalendars CD, etc. if a new CD is available. You can acces this icon whatever settings screen tab is selected.

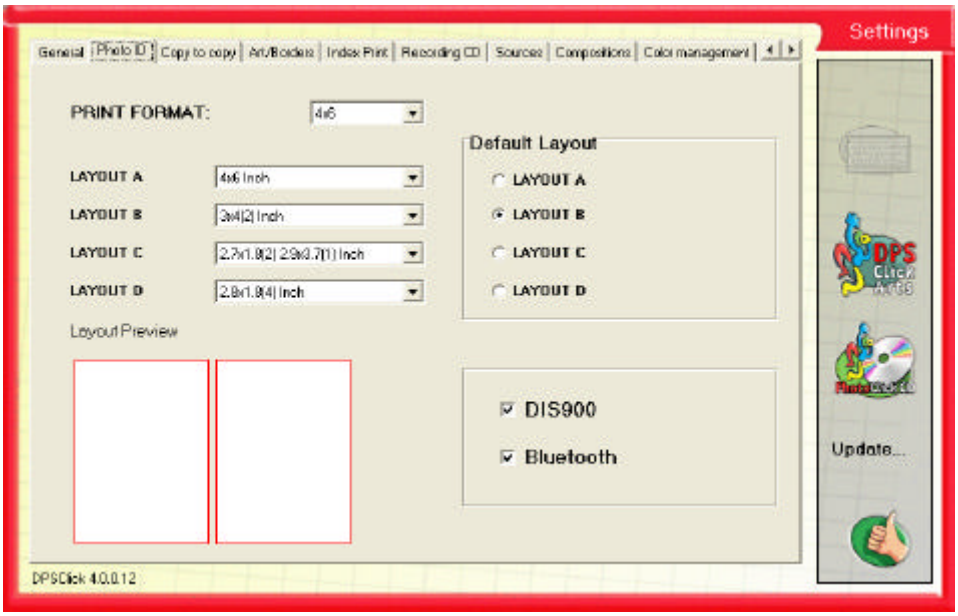
**PhotoClickCD:** through this icon is possible to launch the application on a PhotoClickCD. You can use it to test a PhotoClickCD after burning. You can acces this icon whatever settings screen tab is selected.

**Update…:** only for updating procedures.

### 4.9.2 – Photo ID

Configuration of the options to personalise the Photo ID system Carnet (Photo ID).
You can choose the layouts to be made from Photo ID.

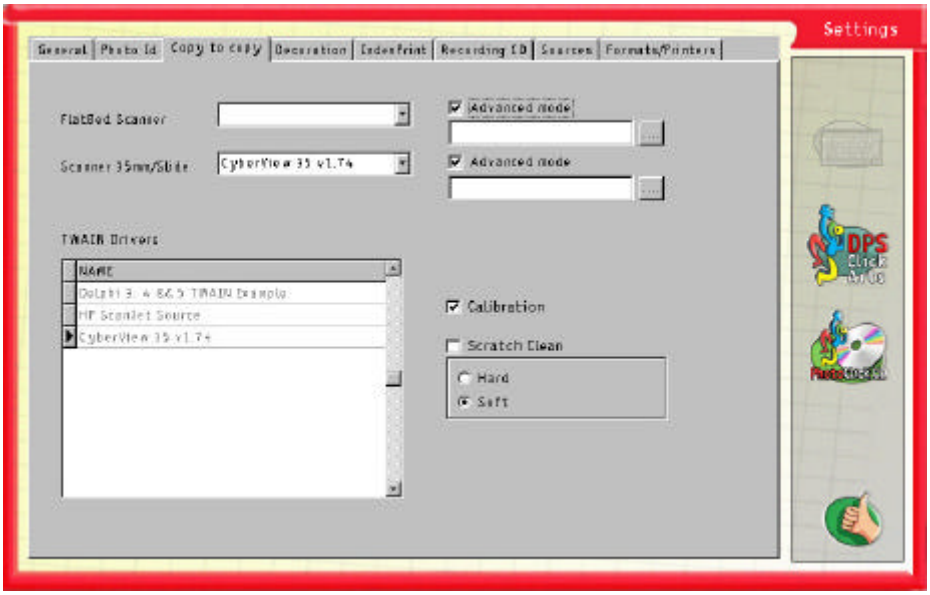
| | |
|---|---|
| **Print format** | Predetermined format for Photo ID. |
| **LAYOUT A, B, C, D** | Types of predetermined layouts for use with Photo ID. Here you can choose between different layouts for documents pre–established in the DPSClick system. |
| **Default layout.** | Will select a predetermined layout for when you start working with Photo ID. Moreover, you can preview the default layout to get a graphic idea of the layout. |
| **DIS900** | It must be checked if DIS900D camera is going to be used for PhotoID when using USB cable. Digital Card Reader is disabled then for PhotoID. |
| **Bluetooth** | Enable this to use DIS900D camera with a Bluetooth communication interface. |



### 4.9.3 – Copy to copy

On this screen you will select the scanner type for each mode, be it flatbed scanner or 35mm/slides. It also lists all the scanners installed on the system.

To the right of the box of the flatbed scanner and the film scanner selected you can also check whether you wish to work with it in **Advanced Mode** (see section 4.7.1.2). It's also possible to set the path where the .exe file of the scanner is. For some scanners it's better to work directly with its own .exe file, instead of work through TWAIN protocol. Remember also that when the images are scanned they must be saved into work directory (or new directory inside work directory) to be retrieved from DPSClick.




**Flatbed scanner** — Type of Scanner selected for flatbed scanner.

**Advanced Mode** — DPSClick works with the device manufacturer's own TWAIN interface and .exe file, also.

**Scanner 35mm/Slides** — Type of Scanner selected for slides or films.

**TWAIN drivers** — List of scanners installed on the system.

**IMPORTANT:** this list will be automatically updated depending on the drivers (TWAIN) installed on the system.

To add a new Scanner simply install its drivers (have them installed by duly authorised personnel) and the DPSClick system will detect it automatically and display it in the list.

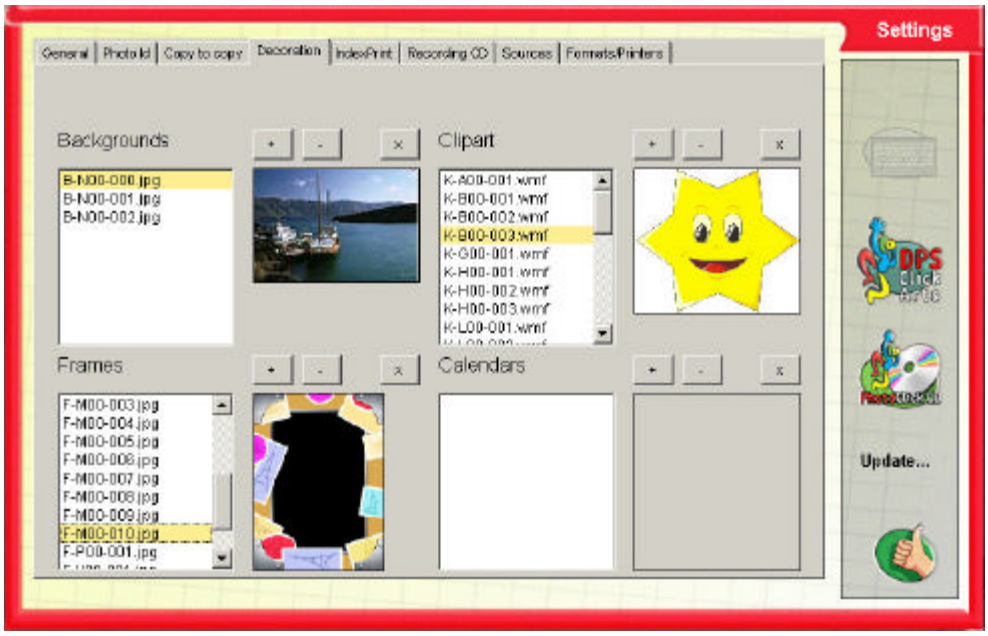
**Calibration** — When working with Prime Film 1800 LAB film scanner, calibration of film position at the beginning of the strip can be selected.

**Scratch Clean** — It activates software dust cleaning procedure for the Prime Film 1800 LAB film scanner, in two modes: hard and soft.

**NOTE:** Only TWAIN type Scanners may be used. Please, contact your dealer for more information.

### 4.9.4 – Decoration

This tool can be used to add new backgrounds, motifs, calendars and frames, which can later be used in the 'Decoration' screen.




**Backgrounds, Motifs:**

**+ button:** Opens a browser (see section 4.9.4.1 – Add Image) to choose the Background or Motif to be inserted. Once chosen, this will be added to the Background or Motif collection.

**- button:** Eliminates the selected Background or Motif from the collection. With CTRL key is possible to select more than one file before delete.

**x button:** Select all files from the list. Useful to delete all files at the same time with '-' button.

**Frames, Calendars:**

**+ Button :** this option allows you to choose a new Frame or Calendar to add them to the respective collections. A screen will them appear to select the transparent colour. Remember that the area of the image that is to be transparent must have a continuous colour. We also recommend that you do not work with highly compressed images (very highly compressed *.JPG, for example) since the outlines of the areas that are to become transparent will be uneven.
Once you have done this the image selected will be added to the corresponding list.

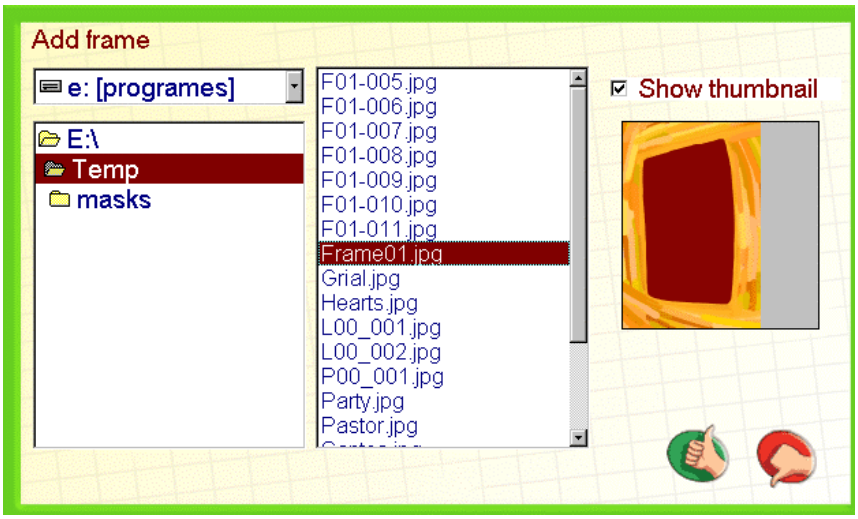
**- button :** Eliminates the selected Frame or Calendar from the collection selected. With CTRL key is possible to select more than one file before delete.

**x button:** Select all files from the list. Useful to delete all files at the same time with '-' button.

**NOTE:** If inserting a non–vectorial motif (vectorial motifs are the following file formats: .wmf, .emf, .dwg, .dwf) optimal image quality following layout cannot be guaranteed, particularly all if the motif size is much greater than the original.

#### 4.9.4.1 – Add Image

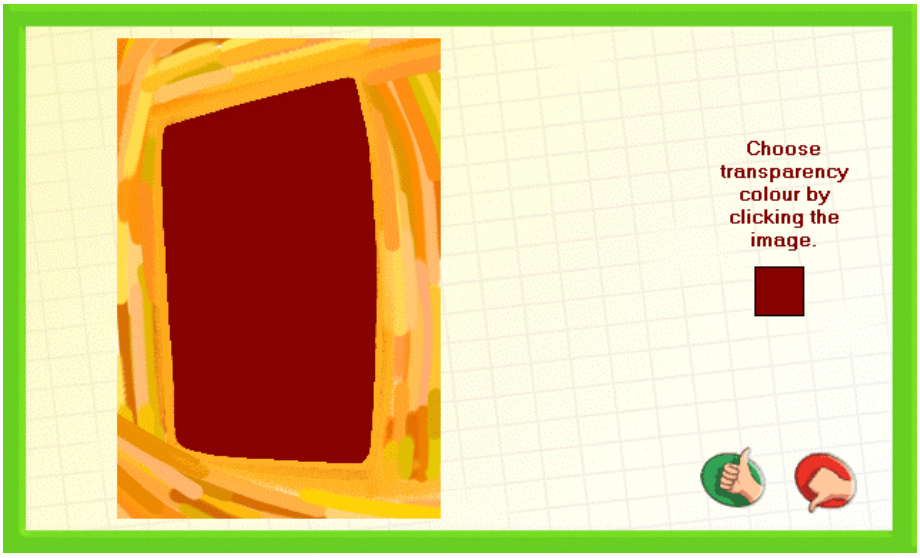
This allows you to select an image to be added to the collection you are working with. This screen previews the image selected.




#### 4.9.4.2 – Selection of transparent colour

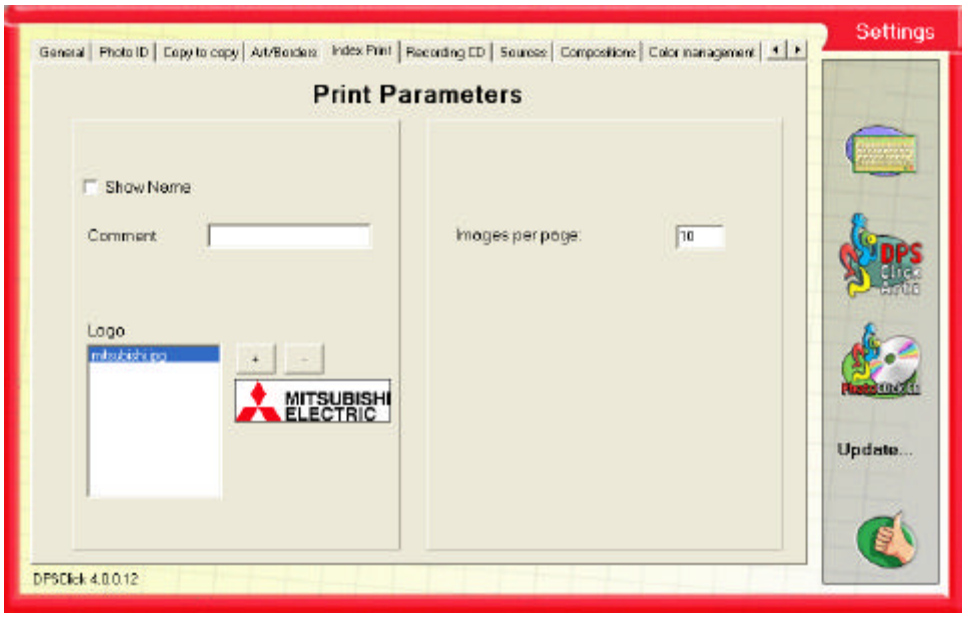
Select the colour to be used as transparent colour on inserting Calendars or Frames.

To select the colour, click on the colour on the image chosen.



### 4.9.5 – Index Print

Option for configuring the parameters for the IndexPrint.




Print Parameters:

**Show Name:** If activated, the Index Print will show the name of the image file.

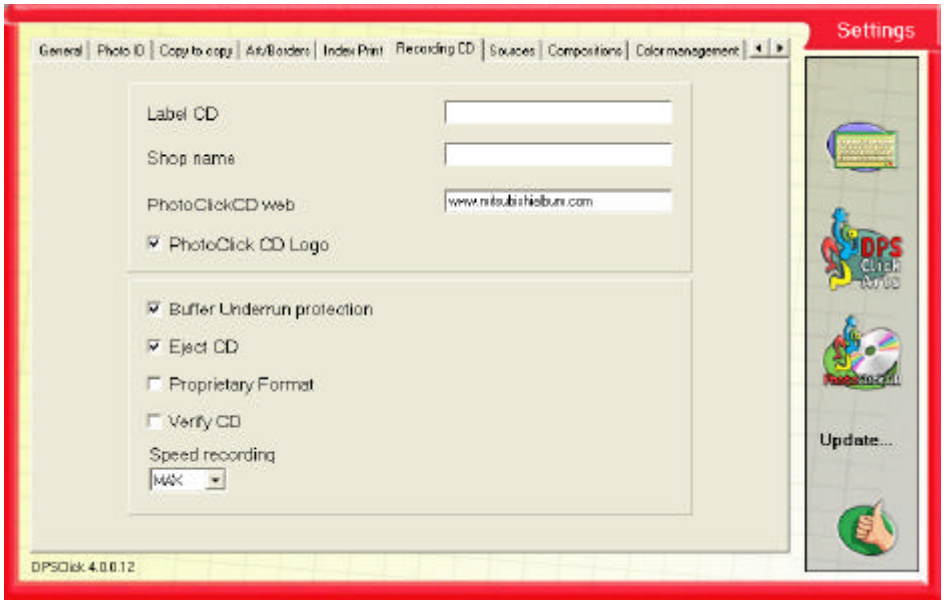
**Comment:** Add a text to the Index Print, for example the name of the establishment where it was made.

**Logo:** To insert the logotype (image) of the photo studio. To change it click the image and the menu will appear to be able to read the corresponding image file. See section 4.9.4.

**Images per page:** Number of images per page that you want for your index prints.

### 4.9.6 – Recording CDs

This menu configures the parameters for Recording CDs.




**CD label:** write the name (label) to identify the CD–ROM recorded by the equipment.

**Shop name:** this will write the name of the photo shop which will appear on the main screen of the PhotoClick CD software when the end customer views it on his PC.

**PhotoclickCD web:** this link will appear on your PhotoClick CDs.

**PhotoclickCD Logo:** check this option for the logotype of the photo shop used for the Index Print which will appear on the main screen of the PhotoClickCD software when the end customer views it on his PC.

NEW! **Buffer underrun protection:** form version 4.0 you can check this option in order to improve CD burnings. If your CD-Writer supports this option, check it.

**Eject CD:** check this option to automatically eject the CD from the tray once the recording has finished.

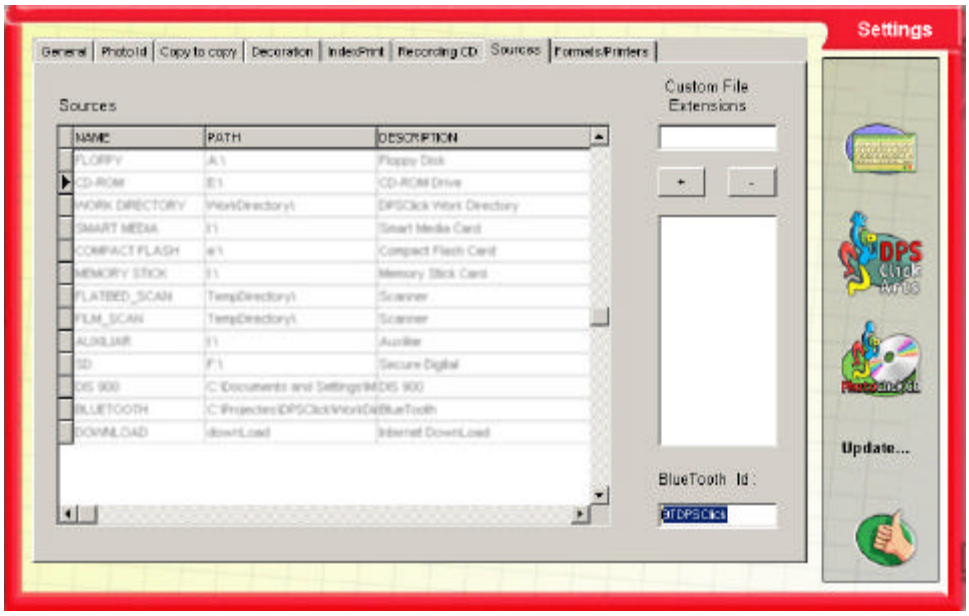
**Propietary format in High Resolution images:** check this option if you want images from PhotoClickCD to only be printable in DPSClick systems.

**Verify CD:** check this option to run a write check during the recording of a CD.

**Recording speed:** choose the recorder's recording speeds. It is useful for old recorders, in order to determine which speed will burn CDs correctly. If you have a new recorder, check buffer underrun protection and leave recording speed at MAX value.

### 4.9.7 – Sources (Image reading devices)

Types of devices or media from which the pictures or images taken can be read. In this section you can indicate the drive and path where they are located on the system.




It is default–predefined for the DPSClick equipment drives and need not be changed unless absolutely necessary.

In “Custom File Extensions” box you can also set the new file extensions to be readable by DPSClick. It can be useful if we want to burn a CD with some files coming from Digital Cameras like video or audio files, or even image files that DPSClick can not show or print. These files will appear in Browser screen but there will not be any image inside.

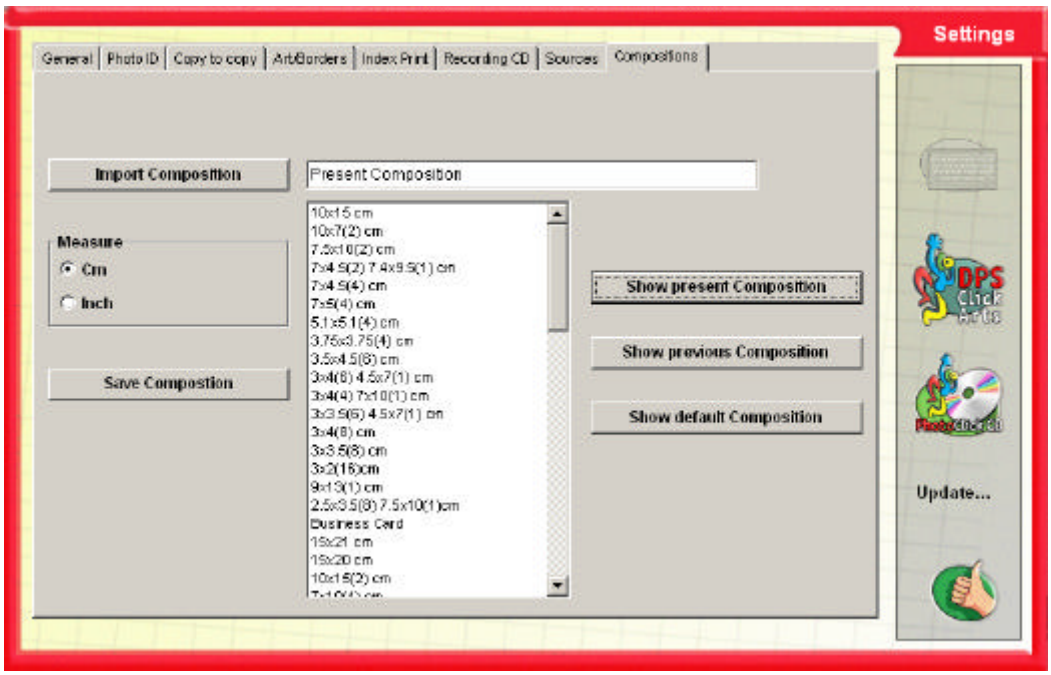
If you want to add a new file extension, please write it with “*.” at the beginning. For example, *.jpg*. After that, click over “Add” button. If you want to delete one of the new file extensions from the list, press “Delete” button.

**Bluetooth Id:** This is the bluetooth identification that shows DPSClick in the screen when system is waiting for any image being sent from a bluetooth device. It must mach with bluetooth software identification string, and it must be done manually. Default values are ok.

From the version 3.20 DPSClick can work with 10 auxiliar digital media reader units, added to present ones.

### 4.9.8 – Compositions

This menu allows you to configure the formats of the compositions and import them from files.




**Import Composition** Use this button to load composition files (.ini)

**Measure** Selecting “Cm” or “Inch” allows to change the measure units.

**Save Composition** This button saves the current settings of the compositions.

**Show present Composition**
**Show previous Composition**
**Show default Composition**

With these buttons it is possible to show the present, previous or the default composition, respectively.

NEW!

## 4.9.9 Colour management

From version 4.0 it is possible to use screen colour management, in order to use it in combination with new Print Server colour management.

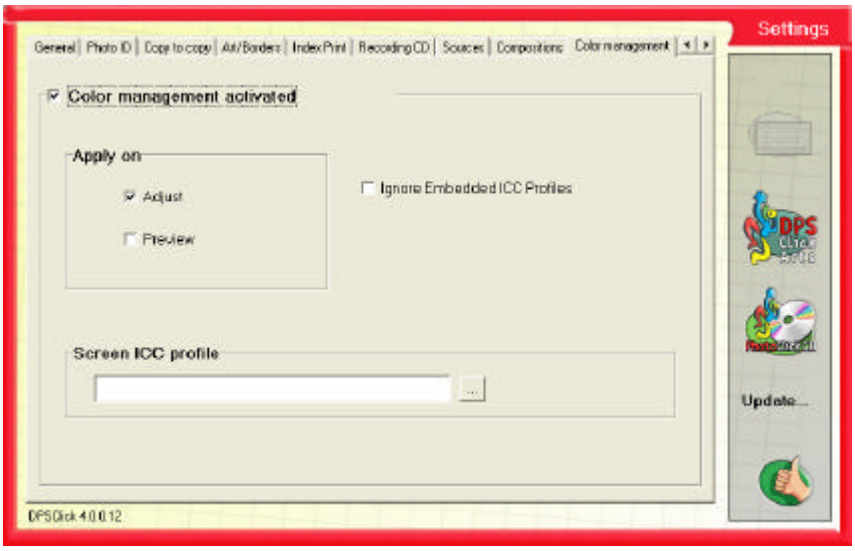
What does colour management means?

Colour management, also called colour matching, involves making some image adjustments in order to obtain, in paper, colour results as close as possible as screen colours. To make these adjustments you have to enable some print profiles, in combination with screen ones. These profiles are generated specifically for your devices, because every device (printer or monitor) obtain different colour outputs.

To understand this, you must know something about colour: screens represent colours of light, combining the basic three colours of light: Red, Green and Blue. On the other hand, printers represent pigment colours, combining the basic three pigment colours: Cyan, Magenta and Yellow. Because the nature of light and pigment colours, you can see some colours in your screen that your printer is unable to represent, and your printer can represent colours that you can not see in your screen.

In order to obtain the best correspondence between screen and printing devices it is used a common Colour Working Space profile. This colour working space is the reference between both sides (editing on screen, and output printing).

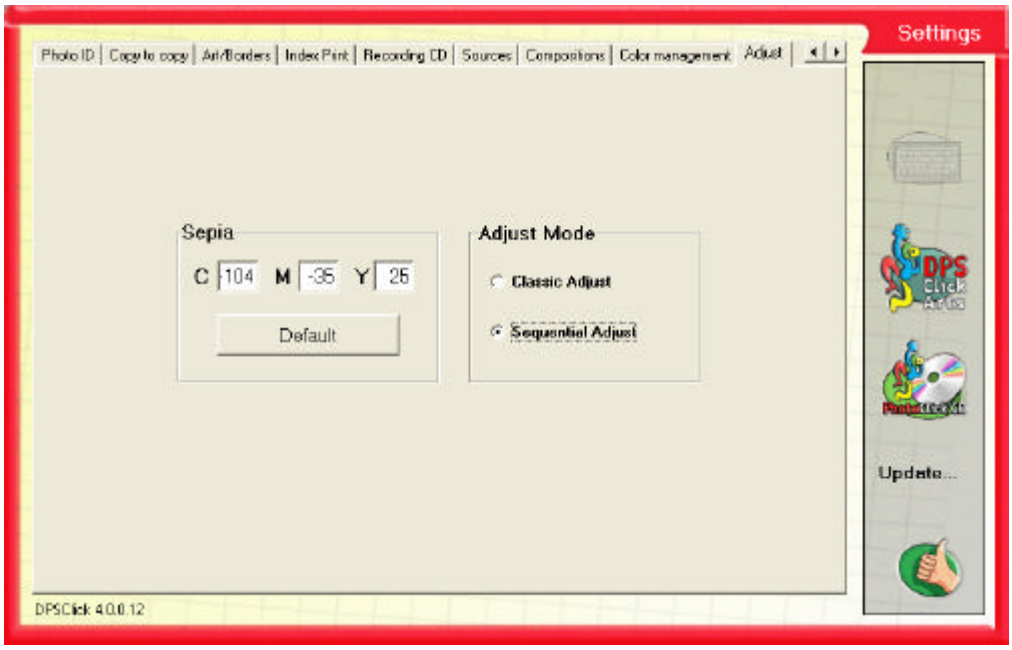
So, colour management will provide you a way to make adjustments in your screen that will not surprise you on paper and, if you don't make any adjustment, you will get in paper more realistic colours.




| | |
|---|---|
| **Colour management activated** | Check this to enable colour management. |
| **Apply on** | You can choose where you want to apply colour management. |
| **Ignore embedded ICC Profiles** | You can choose to use file's embedded profiles or not. Embedded profiles are profiles that are inlayed on the images by some devices. |
| **Screen ICC profile** | Put here the location of your screen profile. |

### 4.9.10 – Adjust

This tab allows you to configure Adjustment options:




**Sepia** — Allows you to choose the RGB values of the sepia effect. If you click the 'Default' button the factory settings will be loaded.

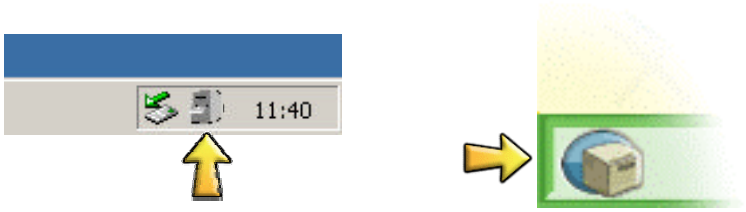
**Adjust mode** — You can change here which kind of adjustments screen do you want. You can choose between Classic Adjust and Sequential Adjust. For more information see section 4.3.8.

## 4.10 – PRINT MANAGEMENT MODULE:

### DPSPrintServer

#### 4.10.1 – Introduction.

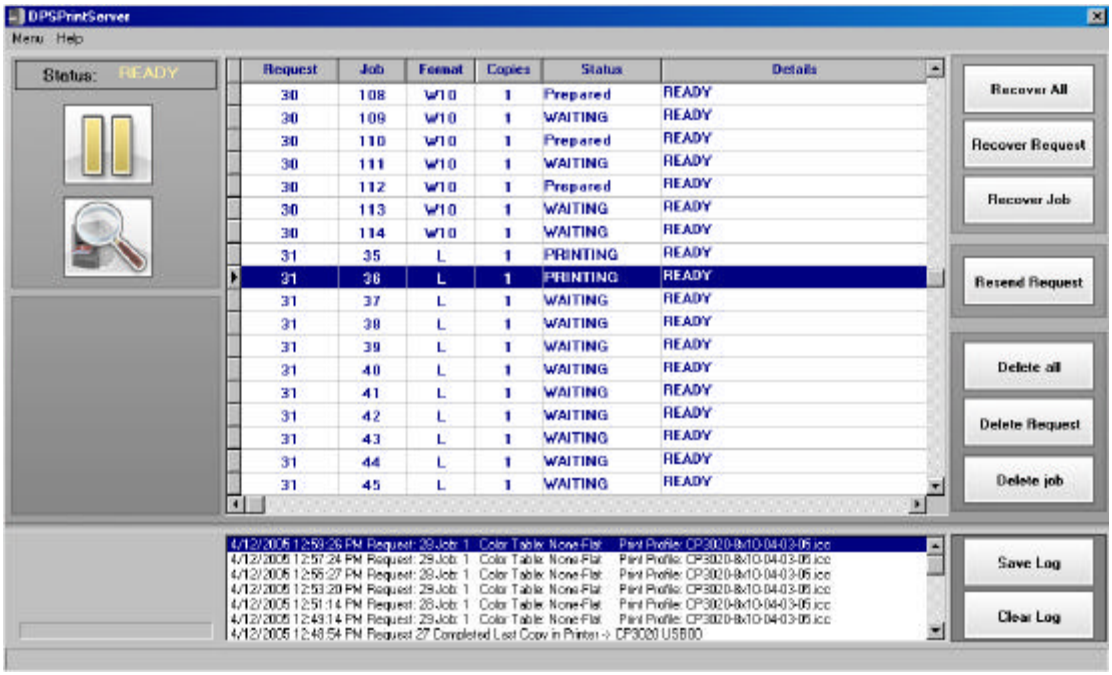
The DPSPrintServer module performs the Print out function for the DPSClick, and frees the latter from managing and sending information through the SCSI bus. This program must be run to be able to print but, anyway, DPSClick launches it from the version 3.20, instead of being launched from Windows start. To check that it is enabled simply click the Windows ™ (Task Bar) button and make sure that the following icon appears:




You can access the DPSPrintServer module via the Windows™ tool bar icon or clicking the button located in the bottom left hand corner of the 'Browser', 'Multiprint' and 'Photo ID' screen of DPSClick, or else from the main screen.

#### 4.10.2 – Checking Printer status.

Double–click on the DPSPrintServer icon to call up the program's control screen:
What we can see now is the list of jobs and pictures sent to the printer and the status of each one of them.

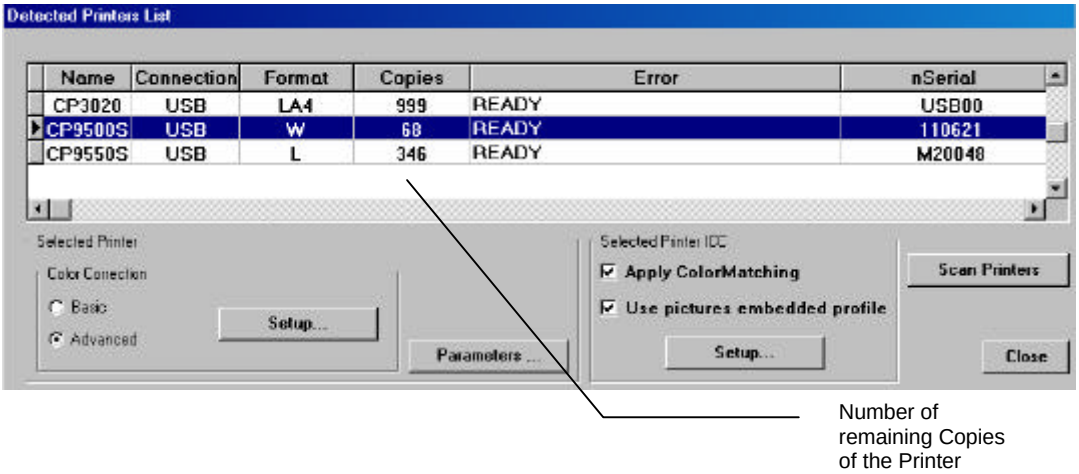


This button alternates between activated and deactivated by clicking it. The button displays the status you will move to on clicking it.

This explores the status of the printers on line and also displays a table describing their status and the port they are connected to. In the event of a problem, the program will display the error type.

Run: Menu > Settings > Printers:

- In the Error box is possible to check if there is an error in the printer.
- **Warning:** If the information shown below does not appear, there is not any printer connected to the system.




- Depending on the status information you shall act accordingly:

**a. If there is not any printer detected (can't see any information)**

– Press the Scan Printers button to make DPSClick system to search for printers. Wait for 10/15 seconds.

– If any printer is not detected yet, check that the printer's real work mode is in SCSI or USB mode. In case of SCSI, shut down DPSClick and the printer; check that the SCSI connectors and the power supply are properly connected, that they are working properly, and that the only LED on the printer front panel is ONLINE. Restart the printer first and after that restart DPSClick system.

**b. Ink.../Paper.../Cassette.../Jam…/etc..**
Problems with the consumable Kit. Check the error and act accordingly.

**c. Over Heating**.
Printer safety shut–down due to overheating of the head, wait half a minute, and the printer will start to work again properly by itself.

**d. Open door**.
The printer door is open.

**e. Image not found.**

**f. Wrong Print Size**.
The ink is different to the format chosen. Check that the type of ink introduced and the print format are the same.

### 4.10.3 – Checking printers and papers

If you wish to check with detail the printers connected to the system, access:

Menu > Settings > Printers

You can check the **Name** (model) of the printer, the kind of **Connection** (SCSI or USB), the **Target** and **Device**, the **Format** (Paper size), the remaining **Copies** of the printer (if available), and the **Status**.
There is no possibility to change this information manually. The system automatically detects these parameters.

**Note:** some printers can not give information about remaining paper, so "9999" will be displayed.

### 4.10.4 – Deleting and recovering Jobs.

You can delete or recover one or several jobs:

- Previous to do anything with printing jobs, is better to pause Printserver with pause button.

- To delete a given job, select it with the mouse, and then press the **"Delete job"** button. Is possible also to delete all jobs (**"Delete all")** or delete only the jobs belonging to the same request (**"Delete Request"**).

- If some problem happened after sending jobs to the printer and they are blocked, they can be resent pressing **"Recover All", "Recover Request", "Recover Job"** button.

- **"Resend Request":** in printing blocked mode (not balanced) the jobs are liberated from the printer that originaly were assigned to, so now printserver application can decide to assign them to another printer. This can be useful when one printer is out of paper and the user wants to go on with printing process.

### 4.10.5 – Print–out Adjustments: Sharpness, Colour Gamma and Mode

It's possible to change different print-out quality adjustments:

- **Menu/Adjust/Sharpness**: Variation of the detail (Sharpening outlines). There are three degrees: Soft, Normal, Hard. There is also the User mode (Personalised) where you can choose between Auto, automatic opening values are used, and Manual, where you can configure the Threshold values and the Quantity of pixels of the focus Mask.
- **Menu/Adjust/Colour Gamma**: Colour depth. There are two values: Photo and High Sharpness in which pure tones are emphasised.
- **Menu/Adjust/Mode**: You can select the ID work mode, which gives better image quality but slower printing speed. This mode is recommended for studio photography.

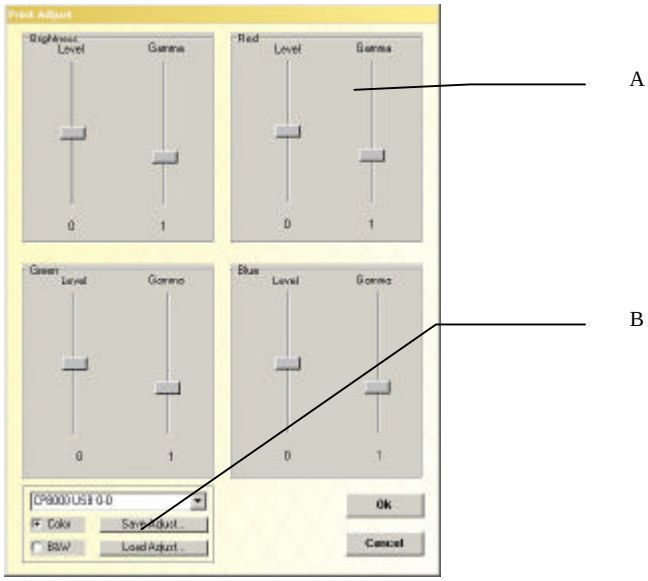
### 4.10.6 – Print–out Adjustments: Colour

To change the colour adjusts of the selected printer, select **Menu/Settings/Printers.**
Select Basic or Advanced Color Correction option
Now press "Setup..." button in Detected Printers List.

Each printer of the same kind has its own colour adjustment curve and printer settings (sharpness, mode and gamma).

#### 4.10.6.1 – Basic Color Adjustments

If "**Basic**" option in Color Correction menu was previously selected, this screen appears:

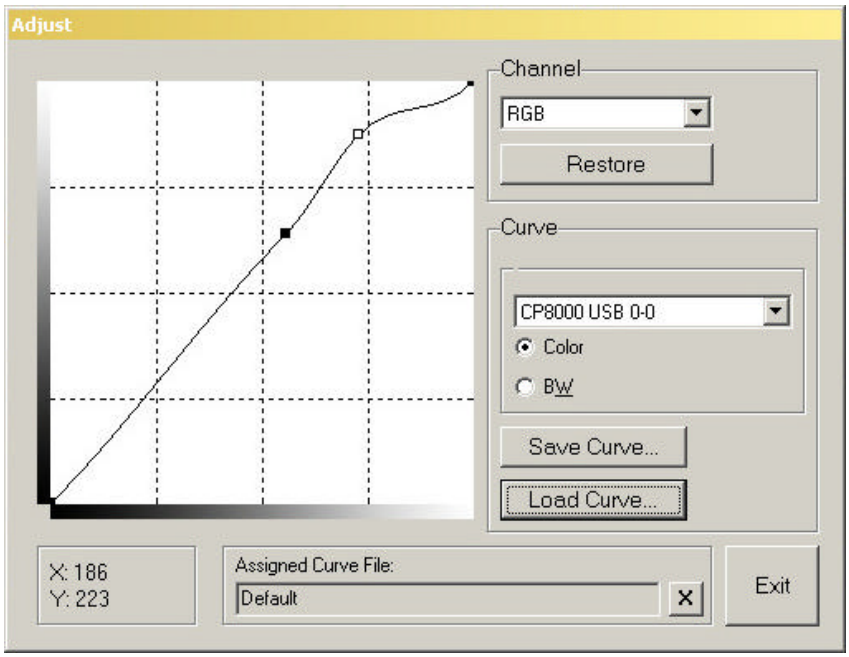



A) This allows you to fine–tune colour by components (R,G,B) either separately or at once (Luminosity).

B) You can save different configurations, for each printer you have connected to the system, and for Black&White or Color.

#### 4.10.6.2 – Advanced Color Adjustments

If "**Advanced**" option in Color Correction menu was previously selected, this screen appears:




It's possible to change the color adjustment with these curves. Adjustment can be made through one generic curve or using diferent curves for each color channel.
It's possible to select the printer to adjust, and make differenciation between Color or Black&White adjustment.

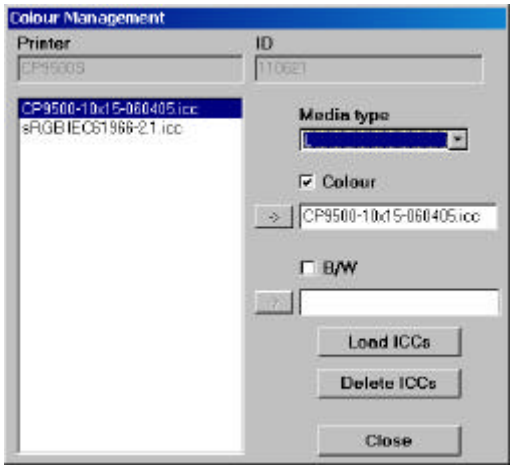
NEW!

### 4.10.6.3 – Colour Management options

From DPSClick 4.00 it is possible to configure PrintServer in order to apply Colour management profiles. It is useful if you want to obtain more realistic colours, and can be used at the same time of DPSClick options. For more information about Color Management, see section 4.9.9. Printing profiles must be created (like screen profiles) only for your device, and moreover, for each print size. Contact your dealer for more information about this.

To apply colour management to your prints, you must specify which profile must be used with every printer and every print size. To do this, click the printer you want to configure and then click “Setup” button on “Select Printer ICC” panel.

It will appear the following dialog.




On this dialog it is possible to adjust the print profiles that must be applied on every media type of the printer. On the left panel you can load or remove ICC profiles from your hard drive by clicking “Load ICCs” or “Delete ICCs” buttons.

Once you have loaded the colour profiles you want to use, you can assign one to every media type of the printer.

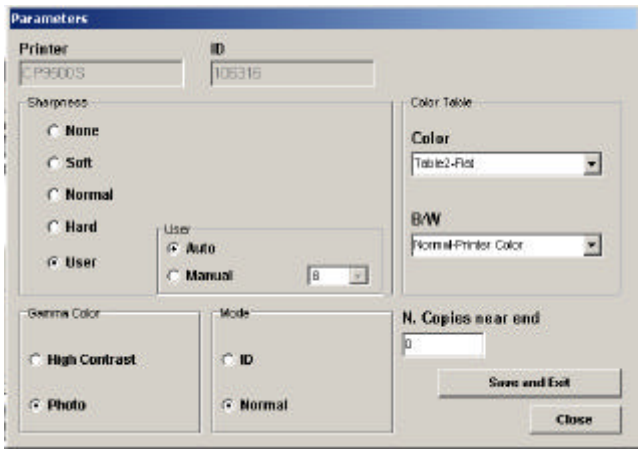
To do this, select the name of the colour profile on the left panel. Then, select the media type where you want to apply it (on the “media type” drop-down list) and click the arrow “->” button to assign it.

Note that to do this, you must have the “Colour” option checked, if you want to apply the profile on colour images or the “B/W” if you want to apply it on black and white images. This means that you can apply a profile in colour printings, and leave the default black and white curve for black and white outputs (recommended).

### 4.10.6.4 – Parameters

If you select a printer, clicking on “parameters” you will have the possibility of changing some advanced options of the printer, which can be useful to adjust or improve print quality.

The following dialog will appear:




It is possible to adjust **Sharpness**, **Colour**, **Gamma**, **Mode**, and **Colour Tables**. The default values are usually the best, but we recommend you to play changing values and printing, in order to select the options that you prefer on your print outputs.

At this point it is important to explain that Colour Tables are also involved in colour management. “Flat” tables must to be used when creating new profiles with your system, or printing with colour management activated. However, when you enable colour management, flat tables are loaded automatically, and you do not have to worry about them.

## 4.11- STATISTICS

This section provides a very simple way of obtaining a summary of all the jobs carried out with the equipment. It is an extremely useful and effective tool for different purposes:

First of all to monitor the average consumption of paper and make for a much more efficient management of your stock of consumables. Moreover, the system allows you to make personalised queries based on different parameters such as date, formats, services, to name but some.

What is more, from the marketing standpoint, the data obtained through this function is very valuable. This information can be used to carry out promotions, feature a specific service or format, carry out seasonal campaigns and control the response to them, etc.

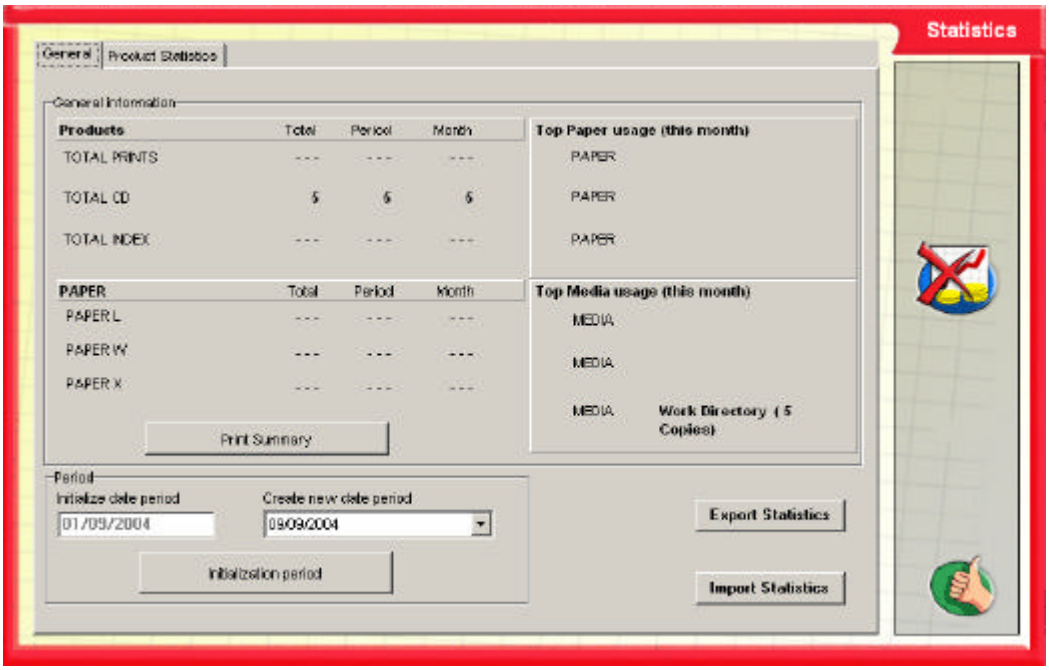
In a few words, another feature which is of paramount importance and that makes DPS click an all–round and comprehensive system.

### 4.11.1 – General Configuration.

#### General Information:

It displays summary information on jobs carried out with the equipment, on different Products, consumables and storage devices used.

This information can be presented as a TOTAL (since the equipment was installed), MONTH (current month) and PERIOD (user–defined).




A) Products:

**Total print–outs:** number of images printed.
**Total CDs:** number of CDs recorded. This includes PhotoClickCD and single copies.
**Total INDEX**: number of index prints.

B) Paper: It informs us of the consumption of different types of consumables, L / W / X

C) Most used papers (this month):

The 3 types of paper most used on the equipment in the last month. It also presents the information by frequency of use.

D) Most used devices (this month)

It informs us of the three most used storage devices over the last month. It also presents the information by frequency of use.

E) Print summary

It prints the above information. The paper size used for printing is the one configured as Format A.

**Periods:**

A period is regarded as a variable time defined by the user to monitor work carried out weekly, monthly, quarterly or as preferred.

The period is delimited by a start date and an end date. The start date is determined whenever we start the period and the end date is always the current date.

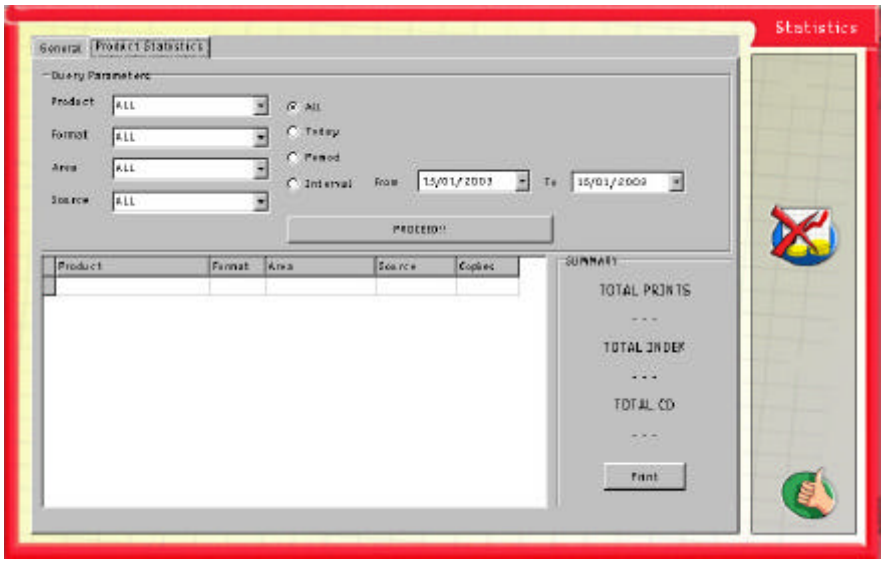
To initialise a period, select the required start date and then press the “Initialise Period” button, after which the period starting date will be updated.

**Import / Export statistics:**

From the version 3.20 it is possible to export and import statistics, by clicking the buttons located at right side of Period options.
This feature allows to make backups of the statistics, and recover them in case of system failure. Moreover, it permits keeping an historical database of the statistics.

### 4.11.2 – Personalised Queries.

This allows you to make detailed queries on the different jobs carried out on the equipment. It makes it possible to obtain information according to the following parameters: Product, Format, Area, Inputs.



**Query parameters:**

**Product:** products obtained with the DPS Click equipment (Print outs, Index Prints, CDs...)

**Format:** possible paper formats on printing with the equipment (S,M,L,X,W,...)

**Area:** Different business areas of the DPS business. They correspond to the different options that appear on the start–up screen of the equipment.

**Inputs**: Types of image input devices (Compact Flash, SmartMedia, SD, ...)

**Time**: This query parameter provides data on all jobs (All), the current day (Today), the period (Period) or time interval required.

**Making queries:**

To make a query select the relevant parameters, Product, Format, Area, Input and Time and then click the “Run Query” button.

The data will be displayed at the bottom of the screen, indicating the detailed query as well as a summary of it.

The “print” option provides the possibility of having the information obtained on paper. The printing paper size will be marked by the format selected as “Format A”.

NOTE: Any picture sent to the print server will be counted in the statistics data.
Although one job will be cancelled or any printer problem arises (no paper, no ink…) it will be included in the statistics counter.

### 4.11.3 – Reset Statistics Data.

With this button you can reset all the statistics data: you will delete all statistics data after confirmation!

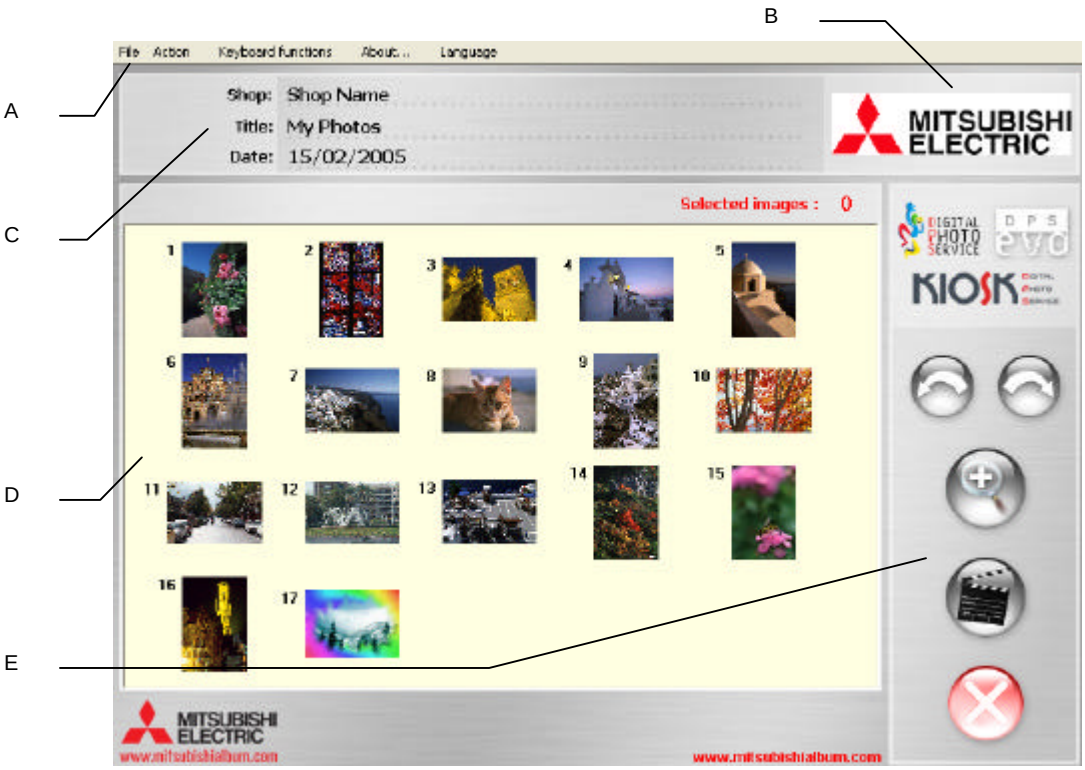
## 5 – PHOTOCLICKCD

When recording a PhotoClickCD, not only are the images selected by the user recorded on it, but also a programme that makes it possible to view them comfortably on any PC with a Windows 95/98/Me™ or Windows 2000/NT/XP ™–compatible OS.

On inserting the CD–ROM in the drive the auto start–up mode should be activated, the program will run automatically and the screen in the picture will appear. If the program does not start up automatically access the CD–ROM drive via the "My Computer" icon on the Windows ™ desktop and search for the PhotoClickCD.exe application in the root directory of the CD–ROM. To run this application double–click on it or use the Windows ™ menus.

A resolution of 800x600 is recommended to view this screen properly. It will not run properly at lower resolutions. If it is greater the remaining part of the screen will be filled with black space.

The main screen is as follows:




A: Menu Bar. B: Space reserved for the logotype of the photo shop. C: Name of the photo shop, Title of the session and Date. D: Image Panel. E: Main functions

It includes different areas:

- The top part shows the name of the photoshop and the name of the photo session chosen by the customer when the CD is recorded. The top part also displays the logotype of the application (right of the image) and the logotype of the photoshop, if there is one (left of the image) and a menu with the utilities the application permits.

- In the middle are the pictures of the customer inserted into a box where they can be selected one by one (clicking each one separately) or all (double–clicking any part inside the frame containing the photos), this selection will be highlighted by a red frame around the each selected picture and the number of pictures selected at all times will be displayed at the bottom. There is also a scroll bar (of there are more than 20 photos) to
- be able to see any photos that are hidden. The date on which the CD was recorded is shown under the frame.

- To the right of the image are the buttons corresponding to the functions used by the application, which are described later. These functions can be run from the top menu or by right–clicking with the mouse anywhere inside the frame containing the pictures.

## 5.1 – On–screen buttons :

**Rotate clockwise:** This action rotates an image selected from the panel 90º clockwise and keep it rotated in the image Panel, as in **Zoom** and the **Slide Show**.

**Rotate anticlockwise:** This action rotates an image selected from the panel 90º anticlockwise and keep it rotated in the image Panel, as in **Zoom** and the **Slide Show**.

**Zoom:** This displays the picture/s selected in full–screen mode, and allows you to toggle between them by clicking the forward and back icons.
The image will always take up the maximum possible space on screen, regardless of its resolution.

To go forward or back you can also use the PC keyboard by pressing the **spacebar**, **PageDown** or "¯" to view the next picture, and **delete, PageUp** or "-" to see the next picture. You can use also the mouse to advance (center of the screen) and exit (upper center part of the screen): of course, if you are using a DPSClick machine to run PhotoClickCD application, you can use your finger directly on the screen.
Another function permitted inside **Zoom** is the rotation of the image being viewed by pressing ¬ to rotate it 90º anticlockwise or ® or to rotate it 90º clockwise.

**Slide Show:** it shows a full–screen carousel of all the pictures which are not hidden, keeping the pictures on screen for a certain period.
The actions permitted by this function are the same as the **Zoom** to go from one picture to another.

**Exit:** As its name suggests, it exits and closes the application. This action can also be performed by pressing the **CTRL+Z** keys at once.

## 5.2 – Menu bar Functions:

- **File:**

Exit: The same action as the “Exit” icon.

- **Action:**

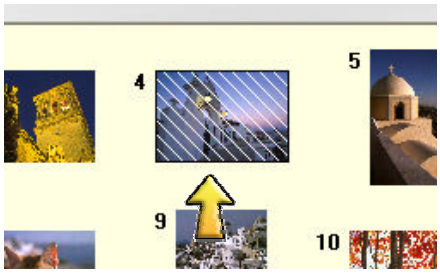
“Action” includes the functions **PhotoClickCd** features to view pictures.

- **Zoom:** The function indicated in the Zoom icon.
- **Slide Show**:
  - **Delay between images**: it displays a screen in which it is possible to select the time each image will remain on screen, in seconds (default 5 seconds).

  - **Slide Show** starts the carousel.

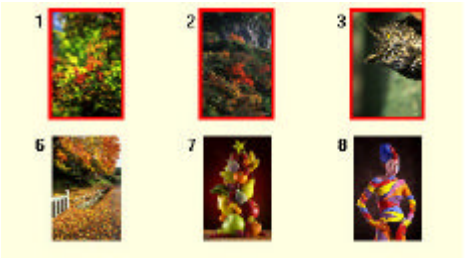
- **Visual Display:** in Zoom or Slide Show modes, you can choose between show images with its real resolution (**Real Size**), centered in the screen, or fit them to the screen size (**Display Size)**.

- **Hide:** if you do not want some of the pictures loaded to be displayed in the carousel and/or in the **Zoom**, they can be concealed by selecting this option. It will appear with a grid over it on the image panel.

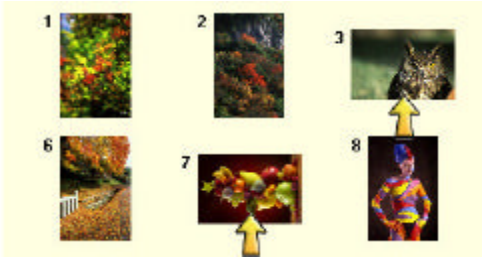



- **Show:** If a picture has been concealed and is the selected and the “Show” option is clicked, the grid concealing it will disappear. The picture will be shown as normal in the image panel and in subsequent **Zooms** and **Slide Show** .

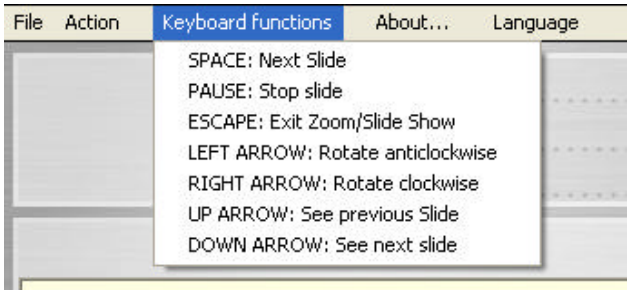
- **Reverse Selection:** This action makes it possible to automatically select pictures not selected and unselect selected ones.



- **Rotate clockwise and anticlockwise:**



- **Keyboard functions:**




This option displays the functions of each key in each one of the actions available in **PhotoClickCD**.

- **Language:**

  This option allows to change the language of the application

- **About...**

  The following screen is displayed:

### 5.3 – Right mouse button

The actions mentioned above can also be accessed via the menu that appears on clicking the picture browser of the application with the right mouse button.

## 6 – INSTALLATION NOTES

DPSClick has two ways of installing the DPSClick program on the system:

– **CD Installation**:

This CD contains the DPSClick program and the basic collections of Backgrounds, Motifs, Frames, Calendars and Fusion masks. It also has the protection needed to run the application.

If the program malfunctioned or images were accidentally lost from collections, you are advised to uninstall the DPSClick program and reinstall it from this CD–ROM.

Reinstalling will not affect the images contained in the Work folder (WorkDirectory).

– **Recovery CD (only until hardware version 9)**:

This Recovery CD should only be used if the system is unstable and you have been unable to solve the problem by reinstalling the program from the Installation CD.

To use it insert the Recovery CD in the drive and reboot.

**NOTE**: from DPSClick hardware version 9, recovery data is in another partition of the hard disk. Installation CD allows to do a recovery of the system using data from hardisk.

**WARNING:** USE OF THE RECOVERY **CD WILL LEAD TO THE LOSS OF ALL FILES**, ALL DATA FROM THE EQUIPMENT, **AND THE OPERATING SYSTEM** AND THE DPSCLICK PROGRAM WILL BE REINSTALLED.

**WARNING:** THE MANUFACTURER CANNOT BE HELD RESPONSIBLE FOR THE INCORRECT OPERATION OF THE EQUIPMENT **IF NON–RELATED PROGRAMS ARE INSTALLED, AND/OR IF THE OPERATING SYSTEM AND HARDWARE ARE TAMPERED WITH**.

## 7 – Troubleshooting:

### 7.1 – Reading Digital Camera images (Smart Media, Compact Flash...)

The DPSClick system consists of a reader that supports 7 digital media: Smart Media, Compact Flash, Microdrive, Memory Stick and SD/Multimedia card. The reader is connected to the Central Processing Unit by USB port.

Often, cards inserted may generate read/write errors, due to how often they have been used, etc., and the drive/reader fails to recognise them, and occasionally the Operating system will disable the device to avoid collapse.

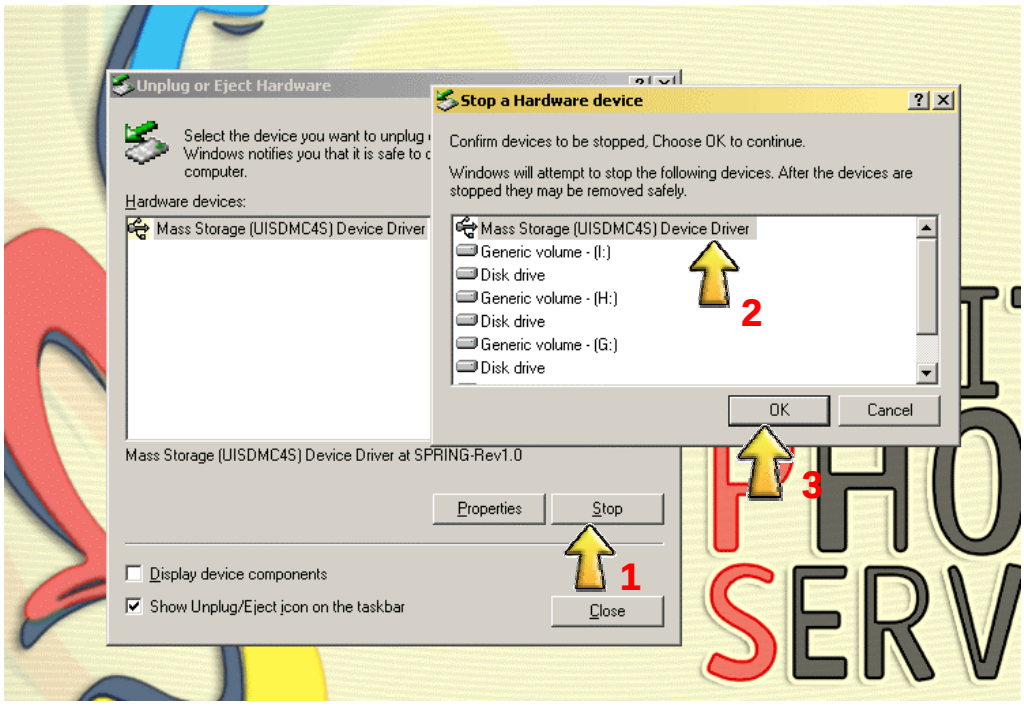
List of problems:

| Problem | Cause | Solution |
|---|---|---|
| DPSClick cannot read digital camera images. | The card with the images is corrupt or there are no images on it. | - Make sure that the digital card is in a good state of repair.<br>- Check that the images can be read from the source camera. If this proves impossible reformat.<br>- Remind the user of the digital camera that it should ALWAYS be switched off before the card is removed from the inside.<br>- Check that My Computer (Windows™ Desktop) shows the logical drives. Otherwise reconnect the reader **(see Note 1).** |
| | The image card has been wrongly inserted | Install properly. |
| | It does not recognise the card. | - Check that My Computer (Windows™ desktop), shows the logical drives. Otherwise reconnect the reader **(see Note 1).** |
| | The USB read device has been disabled by the Operating system, and the logical drives assigned to each card have disappeared. | Reconnect the reader **(see Note 1).** |

**(NOTE 1) Re–installation of the Digital Camera Reader.**

1.– Disconnect the device pressing the Windows ™ key and then click the right mouse button on the I/O device icon.

2.– Uninstall. Follow steps 1,2,3 from ilustration.




3.– Then disconnect the USB cable from the reader at the rear of the equipment.

4.– Reboot the equipment.

5.– Connect the USB cable of the Reader to the USB1 port once the system has rebooted.

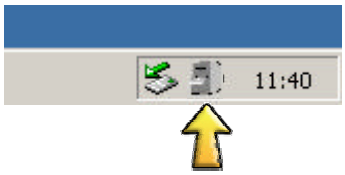
6.– The system will detect the Reader once again

## 7.2 – Problems in image capture from scanners

Sometimes, if the system is saturated or even due to wrong operator action, scanner–type devices, such as film and opaque scanners, inputs, stop working properly and lose the connection with the equipment, or else run very slowly. In such an eventuality power off the device in question and reboot the system. Start–up mechanisms in these devices, tend to be rather sluggish. Thus, before starting to work with the Scanners (i.e. starting to scan or preview, for example) make sure that the relevant devices are actually running. This will be apparent from the noise issued by the mechanical parts of the device or by the LEDS flashing on the front of the devices. The system will then run optimally.

## 7.3 – Print out Problems

To check for Print out errors look at the status bar of the 'Browser' window or go straight to the PrintServer tool. You can access the DPS PrintServer module from the Windows ™ tool bar icon (next to the clock) or by clicking the button located on the bottom left hand corner of the 'Browser' screen of DPSClick.
(**See section 4.10**)



## 7.4 Problems recording CDs

Error messages and how to proceed.

1) CD completed

The recording has finished successfully.

2) Invalid CD

Impossible to carry out recording due to a problem with the **CD** inserted.

| **Cause** | **Solution** |
|---|---|
| CD is not empty or is faulty | Insert an empty CD |
| No CD has been inserted | Insert an empty CD |
| The mark of CD is not compatible | Check the list of compatible CDs or reduce recording speed |
| The CD has been inserted upside down in the recorder. | Open the tray and turn the empty CD round. |

3) Impossible to record at this speed

The recorder cannot record at this speed.

**Solution:** Reduce recording speed (x8 is recommended)

4) Error building structure

There was an error during the building of the structure.

**Solution:** Contact the technical service.

5) Error recording CD –XXX

There was an error which was not defined above. XXX indicates the error code.

**Solution:** If the problem persists contact your technical service / Help Desk.

## 7.5 – Others

For any other issues regarding the interaction of peripheral hardware devices, (printer, Scanner, etc...) with the central processing unit of the equipment, we advise that you power off and reboot the peripheral devices and then reboot the central unit (DPSClick). If the problem persists, contact your technical service /Help Desk.

Name of Importers
**Mitsubishi Electric Europe B.V.**

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Tel (+49) 2120 486 9250 Fax. (+49) 2102 486 7320

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