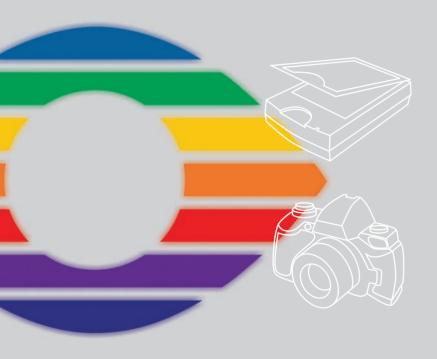
SilverFast®

SilverFast DCSF

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LaserSoft Imaging®



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Registration

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Introduction

SilverFast is now in its fiftenth year after its introduction in 1995. By now SilverFast has received so much recognition world-wide that some already call SilverFast "The Standard" for scan software. That is a great compliment but nothing we intend to rest upon!

SilverFast has made professional colour scanning truly manageable and results predictable.

With SilverFast 6 you will also see the advent of the first SilverFast QuickTime movies, exemplifying the powerful functions built into SilverFast 6 demonstrating how easy these tools can be used



Karl-Heinz Zahorsky President LaserSoft Imaging AG Kiel, January 2010











SilverFast Installation

Insert your SilverFast installation-CD into your CD drive. The CD will open automatically.

- Under "Language" select your language. A dialog with several choices comes up.
- Under "SilverFast Installation ..." you will define, whether you install the SilverFast Photoshop-Plugin (Mac and Win) or the Twain-Module (Win only)

With "SilverFast Photoshop / Stand alone Plugin" SilverFast will be installed into Adobe Photoshop (if available) and with "SF Launcher", enabling SilverFast to run as Stand-Alone program (Mac and Win).

With "SilverFast TWAIN" SilverFast will be installed as "TWAIN 32" (Win only).

For safe install please follow the recommended steps from the installer.

- You will find up-to-date information under "SilverFast ReadMe" which might not have been include at printing time of the booklet.
- "SilverFast Documentation" features the complete SilverFast manual, manuals for optional features, as well as Acrobat Reader software to view the manuals.

• "SilverFast Ai Demos" is a link to our website, allowing you

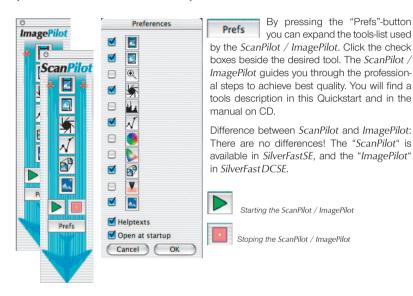
to try download fully funtional demos of our latest SilverFastAi versions.



ScanPilot® / ImagePilot

The first time you start *SilverFast*, you will be greeted by the *ScanPilot / ImagePilot*. If you press the start-button, the *ScanPilot / ImagePilot* will guide you through the various tools of *SilverFast* in the recommended order. This way you'll easily get accustomed to our recommended workflow. The steps are: pre-scan, frame selection (cropping), automatic adjustment, graduation correction, size adjustment and scaling. After these steps the scan process is finished.

You can stop the ScanPilot / ImagePilot any time by pressing the stop-button. At this point, you can use the SilverFast tools manually.



SilverFast Help

Whenever you move the mouse over an icon in SilverFast, you will get a brief explanation at the bottom of the pre-scan window.

You can also use the question mark-icon at the upper left corner of the pre-scan window in order to access the *SilverFast* Help. This will lead you to more in-depth manuals (Acrobat Reader PDFs). By clicking the "Q"-button, the respective QuickTime movie is launched.

Extensive information about all functions of *SilverFast* can be found in the full manual. This manual is available in pdf-format on the *SilverFast-CD*.

The most current information about SilverFast can be found on our website:

http://www.silverfast.com/overview/en.html

Instructional Quicktime movies are also available there.

Quickstart

1. Start SilverFast SE / SilverFast DCSE

Start from Photoshop: Start Photoshop and select your scanner "SilverFast..." under "Import" under the "File"-menu (Windows: "File"-Menu).



Start from *SF Launcher*: Start *SFLauncher* by double-clicking the application.

Under "Plugins" select the

appropriate SilverFast Version (in this example "SilverFast DCSE" and click "Start". SilverFast will start as usual.



2. Serialization and Registration

The main scan dialogue comes up with the Serialization dialogue, where you input your first name, last name, company and the serial number.

This code consists of numbers between 2 and 9 (no ones and no zeros), and all letters between A and Z – except the letters "i" and "o". Click "Unlock SilverFast" once you have entered all data.

Please register your version of SilverFast; only then will you receive support and have access to the latest versions using the Online-Update.

Clicking the "i" button, and then hitting the "Register" button; will then launch the registration procedure.





3.1 "Prescan" (SilverFast SE)

If you use SilverFastSE connected to a scanner, click onto the "Prescan" button to launch the prescan. Adjust your frame by dragging the selection marquee over the image accordingly. Make sure the marqueed frame is inside the actual image area itself.



3.2 "Open" (SilverFast DCSE)

Only if you use *SilverFastDCSE* for processing previously saved image files (e.g. of a digital camera), the *VLT* (virtual light table) opens after you start *SilverFast*.

Once the *VLT* is shown, you can choose the desired images file directories using the Navigator Panel. In addition to files on your computer, images from a digital camera connected to your computer can also be loaded in the *VLT*. Images can be selected and copied from the Overview work area of the *VLT* to the Album work area using the "Drag and Drop" feature. Additionally, images in the



Album can be sorted, the file names can be changed, comments can be added, images can be rotated, etc....

The thumbnails' height can be individually adjusted for the Overview, Album and Magnifying Glass windows. The magnifying glass window always shows the area of the image corresponding to the position of the mouse pointer.

In the Album Panel, you can move and organize images in different Albums. The contents of an album or the overview window can also be printed as info sheet.

Double clicking on an image in the album will transfer you directly to the *SilverFastDCSE* main window. This then permits you to optimize the image using all of *SilverFast's* tools. Once the desired image corrections and enhancements are chosen, you can click on the edit button and the new optimized image file is saved back into the album. The processed image is identified with a green "LED".

4. Zooming an Image into the Prescan Window

In order to zoom a detail into the prescan window, draw a frame around the desired part of the image and click on the magnifying glass.

A quick zoom into the prescan window takes place. In order to get back to the overview prescan, reclick the magnifying glass. The magnifying-glass button functions like a "toggle switch".









If you want to enlarge the zoomed preview further, minimize the scan frame in the zoomed preview and click the prescan button again.

5. Image Type / Auto-Adjust

Under "Image Type", make the appropriate selection to configure the "Auto-Adjust", so the automatic image control knows how to optimise the image. Immediately after the selection of an Image Type, the Auto-Adjust is applied automatically (notice how your image is optimised).

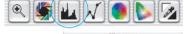
If you do not change "Image Type" selection you can press the Auto-Adjust icon in the tool bar to optimise the image. You'll soon notice how highlights, shadows and midtones are automatically corrected.





6. Histogram

In the histogram you can change the highlights (white point), the midtones and the shadows (black point) by dragging with the mouse on the small movable triangles.

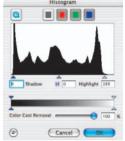


The respective values can be monitored with the input fields below.

You can switch the midtone characteristic by toggling to "L" or "N" (L = logarithmic and N = linear).

The "Colour Space Compression" can also be freely adjusted with the small movable triangles.

Colour casts which may possibly be there in the image can be reduced with the slider at the bottom of the dialog.

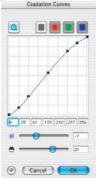


7. Correcting Brightness

If the image looks too bright or too dark you can open the "Gradation Dialog" from the tool bar. Use the midtone slider to correct the overall brightness of your image.



Any correction that you perform can easily be undone by typing "Command-Z" and redone by typing "Command-Z" again ("Crtl-Z" on a Windows PC, respectively). In fact, you can toggle between the two



8. Global Colour Correction

In this dialog, you can change the entire colour rendering of the scanned artwork.

By clicking or click dragging within the colour sphere, the colour characteristic of the scanned artwork will be moved into the selected area.

The degree of changes can be adjusted by means of the three-step slider. The lower level will produce small changes. The upper level will produce large changes.





9. Selective Colour Correction

Individual colours, independent of others, can be corrected in this dialog.



Open the selective colour correction from the tool

bar, and click on the colour in your artwork that you wish to change.

SilverFast will recognize the appropriate colour and will activate the corresponding colour selection in the dialog window.

Selective Color Correction

Red: Red_stronger Coreen: Coreen: Coreen_stron... Coreen_stron...

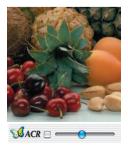
The colour activated can be determined by the wide border around the colour patches.





"ACR" (Adaptive Colour Restoration) when checked, is a new powerful function to correct image saturation, if too much or too little automatically. The slider allows you to adjust the saturation automatic.



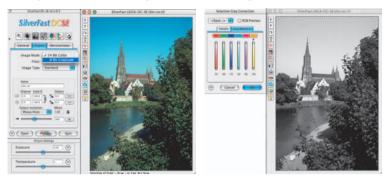




10. Selective Colour to Grey Conversion (SC2G)

SC2G serves to selecetively converting primary- and secondary colours into shades of grey. Under "Image mode" you switch from colour to grey mode. Clicking onto the button "Selective Colour Correction" opens the SC2G dialogue.

Clicking onto a shade you want to change will select the appropriate colour in the SC2G dialogue. Colour triangles above the colour to gray controls indicate the colour effected more visibly. Press the small top or bottom triangles on the controls. The top triangle will increase the brightness, the bottom triangle will decrease the brightness of a shade.



11. Neutralising Pipette (*MidPip*)

MidPip (Advanced Colour Cast Removal) allows removal of colour casts comfortably, which e.g. result from a mixed light situation.





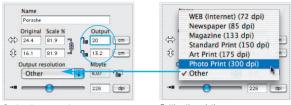


If you want to set a neutral point, click onto the pipette. The pipette will remain as a cursor until you either click the pipette again or you have set the neutral point into the image!



12. Image Dimensions

Set your image dimensions, such as output size and printing screen, as desired.



Setting the output size

Setting the printing screen

13. Defining Unsharp Masking

Under "Filter", select "Unsharp Masking" to define the sharpness of your image. Since sharpness is related to image scaling and resolution, make sure you have set output size and output screen of your



scan before setting Unsharp Masking.

To view the sharpness of the final scan, click on "Prescan" and click into the area of interest in your image. SilverFast commands the scanner to pick up the selected portion from the image to judge the sharpness effect. You can change any of the Unsharp



Masking parameters and view the effect on the image immediately.

14. Removing the Screen from Printed Artwork

To scan artwork done with offset printing, as for example from a magazine, the scans have to be "descreened." First, select the function "descreen" in "Filter".

The screen size of the artwork to be screened will appear in the opened window: either manually by number entry, or above the menu with the presets.



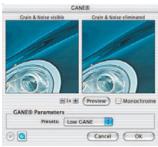
15. Grain- and Noise Removal (GANE)

The reduction of grain pattern and noise can be monitored in *SilverFast's* "Before-After-Preview" and enables a secure judgement of the final results.



The intensity of the GANE filter

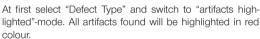
can be easily controlled by the user with a drop-down list of presets.



16. Dust and Scratch Removal (SilverFastSRD)

After starting *SilverFast SRD* click "Prescan" to generate a new preview scan with the current resolution set in order to show all artifacts..

The "Auto"-button tells *SilverFast* to find the best presets possible. The settings found can be optimised further.



You can now correct the auto settings found with the sliders "Detection" and "Defect Size". You should leave "Intensity" for the time being on "100"!

With the slider "Intensity" reduce the number of details recognized which are not artifacts (Value: < 100).

Check the overall results by selecting other image areas with the Navigator and switching the monitor modes. In order to eliminate large artifacts or scratches only in certain areas of the image, use the mask function. Clicking





certain areas of the image, use the mask function. Clicking "OK" will apply the parameters set and the dialogue will be closed.

17. Picture Settings dialogue (only SilverFastDCSE)

The slider "Exposure" simulates a change in the exposure of the image. In general the adjustment range comprises plus/minus two frames.

The slider "Temperature" offers a quick and easy correction of the white balance in the image. By using this feature, incorrect camera settings can be compensated.







18. Scan / Process

In order to start scan or processing, click on "Scan-" or. "Process"-button and the scan into the image application or to disk will start.

When the "Ctrl" Key (Windows right mouseclick) pressed, a dialogue opens in which the format can be

chosen. In SilverFast DCSE the path for saving can also be selected.



19. Reset / General Reset

In order to reset the correction within the active scan frame, click the "Reset"-button in the SilverFast dialogue window.

In order to reset all *SilverFast* correction settings, press the "Shift" key and click on the "Reset-All"-button in the *SilverFast* dialogue window.



20. Densitometer

You can set the image output orientation in the densitometer pallet. The image orientation will be shown by a small image of the current scan frame.

With the toggle button "Pixel-Zoom/Overview" you can switch to pixel zoom, monitoring the small area with regard to the position of the mouse.



The lower half of the pallet serves to monitor the clour values. Left showing "Before"- and right the "After" colour and their corresponding colour values.

21.1 Print Image from SilverFast Main Menue (SilverFast SE, SilverFast DCSE)

It is possible to pass on the contents of the active image frame in the preview window directly to a connected printer. The size of the image to be printed can be set in the scaling dialogue in the "Frames" palette.



Contact sheet of Overview Contact sheet of Album

21.2 PrinTao, the Extended Print Dialogue within VLT (only SilverFast DCSE)

The print menue in the *VLT* contains not only the possibility to print contact sheets of Albums or printing an overview, but also include the "advanced printing dialogue" in order to print out a selection of images from an Album or from the overview.



22. "General" Pallet (SilverFast SE / SilverFast DCSE)

In SilverFast SE you will see the bus system under "Device". In SilverFast DCSE you can open the previously selected "Image" or you can switch to a different directory.

With "Process Mode" you determine where the image will be put. Set to "Normal" the iamge will be passed on to the imaging application, e.g. Photoshop with "Normal File" the image will be saved as a file to disk.

Under "Pos./Neg." you can switch from Positive- to Negative-Mode. Here you can use *SilverFastNegaFix* to optimise any negative film original.



Options... (Defaults)*/**

Before you start working with SilverFast, please set important preferences under the "Options..." dialogue. These preferences will be automatically incorporated into any future scans performed.



*/** Attention: The "default dialogue" windows differs from scanner to scanner and some features are only available for certain scanners or certain imaging software. The following parameters are set:

The brief instructions below outline the most important pre-settings. A complete explanation of all functions can be found in the general *SilverFast* manual.

General defaults (SilverFastSE* / SilverFastDCSE**)

- Option Parameter: Saves (and loads) all settings of the "Option" dialogue into a single output file.
- Gamma Gradation: This adjusts the general brightness of the image for midtone and shadow. In general, a gamma of 1.6-1.8 is recommended. For transparency, the gamma is normally higher than for reflective (transparency 1.8-2).
- Gamma expected in 48Bit/HDR**: With a value of "1", the images will be opened as if the embedded gammut were linear. No adatpation then takes place. If, however, the source program has already set a different gammut, the correct value should be entered here.
- Reopen SF after scan*: Normally SilverFast (as Photoshop Plug-In) will be closed after scan and has to be started again for next scan.
- Reopen SF after processing**: Normally, SilverFast (Photoshop Plug-In) is closed after
 processing the image and must be reopened manually for the next image. This only
 applies when working in a mode of "normal" and "Batch". When using the "...(File)" or
 "to Album" modes, SilverFast remains open after processing.





- Open VLT at startup**: If the VLT should be opened at each start of SilverFast DCSE check this box. If active, the main windows of SilverFast will not open and the VLT will show. In case the VLT is then closed, the SilverFast main dialogue window is opened immediately.
- Show image after scan* / Show image after processing**: If this option is selected, the finished file will be opened by the finder. (Applicable if "Normal (File)" and "Batch mode (File)" are selected.
- Realtime correction: The normally present realtime correction can be turned off here for use with older and slower computers.
- Keep settings for new images**: If activated, the presets of the SilverFast dialogue remain until the pening of the next image. By this it is easy to process series with identical parameters.

Special defaults (SilverFast SE* / SilverFast DCSE**)

- Halftoning*: Dithering algorithms for scanning halftone images in lineart mode
- Colour Filter (blind colour)*/**: Select the colour, which you wish the scanner to ignore during monochrome scans. You can choose between red, green or blue.
- Monochrome Preview: In case there is scanning in greyscale or black and white only, you can speed up the prescan considerably by selecting "Prescan monochrome" (filter has to be set to green or any colour except white).
- Prescan Draft*: Faster prescan with reduced quality.
- Scan Draft*: For scans with reduced quality.
- Limit Gamma Slope: May be checked if much noise is encountered in the shadows. The slope of the gamut curve which is especially steep in the shadows, will then be reduced to an almost linear function.
- Albums folder**: The location and the path fort he albums may be adjusted here.
- Maximum Cache Size**: Adjustment for the cache memory size. This is mainly used by SilverFastDCSE and -DCPro where, for example, the conversion of RAW data takes up much space while this data is only of temporary interest.
- Fullscreen Preview**: "Screen" fits image to your monitor. "Hires" displays image in 1:1 (100%) resolution.



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