SHARPEN projects professional

User Manual

# Contents

1. Activation

Upon starting **SHARPEN projects professional** for the first time, you will be prompted to activate the program. Proceed as follows:

Install **SHARPEN projects professional** as described by the installation wizard.

Input your serial number. For the box version, this can be found on the accompanying booklet. If you have chosen to download the program, you will have received the serial number by email directly following your purchase.
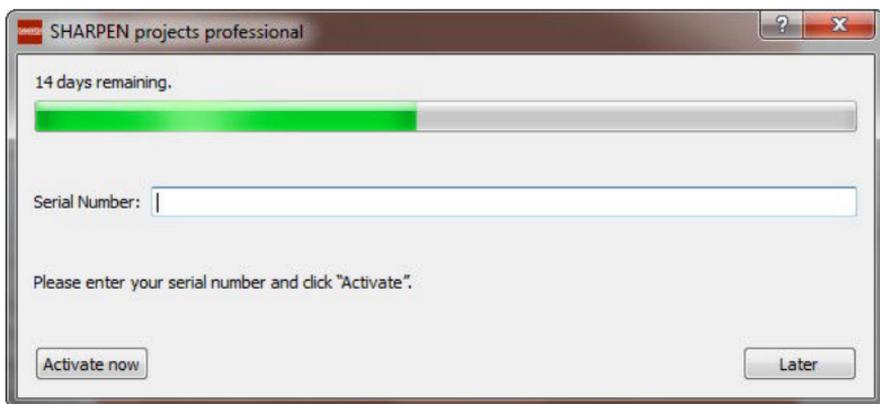
Finally, click on the "Activate" button. The software has now been successfully activated!

Note: **SHARPEN projects professional** can be installed on up to two computers using the same serial number.

A second serial number is not necessary. When installing the program on a second device, simply enter the serial number again and press "Activate".

2. Highlights

SHARPEN projects professional offers many new features. Here is an overview of some of the most important program highlights:

- ✓ "Adaptive Multi-Scale Tremor Removal" for shake correction up to 100 pixels
- ✓ "Adaptive Gradient Sharpening" for portrait and landscape sharpness
- ✓ Haze & fog corrector
- ✓ Optimised colour and luminance crispness
- ✓ Adobe Lightroom, Photoshop and Photoshop Elements plug-ins
- ✓ Graphic history viewer for most recently edited images and projects
- ✓ Integrated cropping with 71 format templates and guide lines, like the golden spiral
- ✓ Comparison window including Adams' luminance zone system
- ✓ Undo option with integrated timeline view
- ✓ Supports all standard camera RAW formats
- ✓ Optimised processing through multi-processor support and graphic cards
- ✓ Scratch and sensor error correction
- ✓ Selectable colour spaces for varying focus nuances
- ✓ Automatic blur correction
- ✓ Selective adjustment with the selective drawing tool
- ✓ Point spread function (PSF) to analyse sharpness
- ✓ Point of interest for optimised editing

- ✓ RAW module with adjustable camera profiles
- ✓ Integrated batch processing
- ✓ Customisable work interface
- ✓ 45 Presets

3. Photos Done Quickly

You can obtain a finished image in just 4 clicks with **SHARPEN projects professional**.

1. Load Images

2. Post-Processing Preset Selection

3. Image Optimisation

4. Select Image Detail and Save
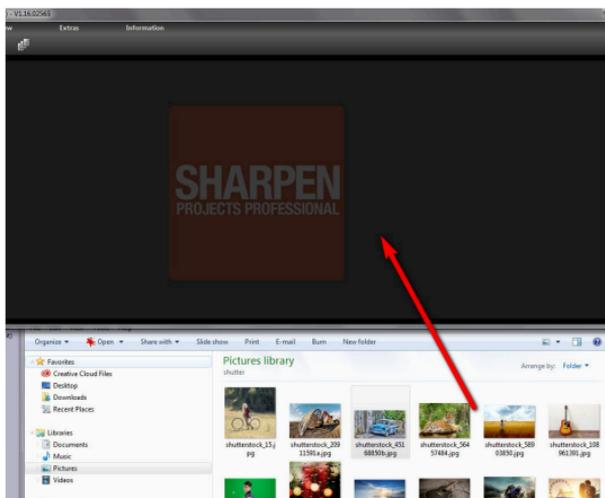
You can simply drag and drop your images onto the start screen

4. Importing Image Material

To load a single image, simply drag and drop the images onto the start screen. Alternatively, you can also use the toolbar buttons or drop-down file menu.
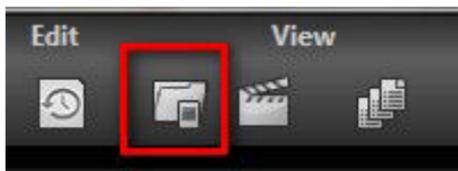
5. Image Optimisation

Go to "Extras" → "Preparing image…" to get to image preparation.

Here you can precisely configure the image preparation.

For the first steps, please use the standard settings. These default settings can be restored with the arrow at the bottom left. Nothing can be irretrievably adjusted.

a. Colour space conversion: advanced users can choose a colour space here - for all other users, it is recommended to not make any adjustments, to avoid incorrect colour rendering later.
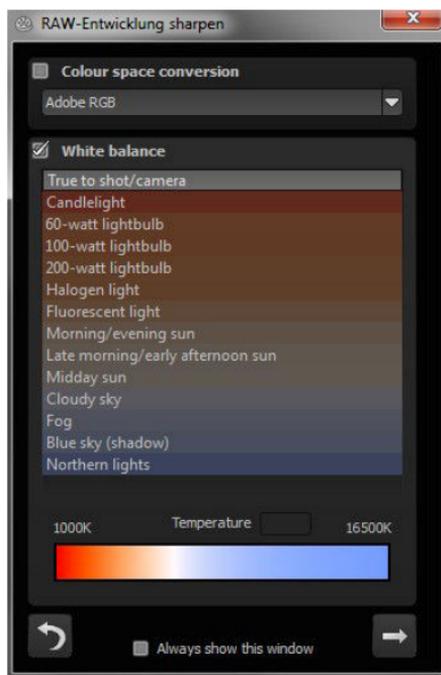
b. White balance: corrects colour casts that occur with shots taken, for example, in a warmly lit room. To start, leave this setting unchanged.

c. Regulate how cool or warm your image appears with the colour temperature control.

6. Bildoptimierung

> **Point of Interest**
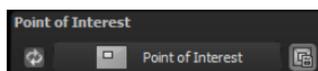
**Point of Interest**

Activated "Point of Interest" renders the current editing only to a specially defined area of the image. The effects will be applied in their full form, however only visible in the specified spots, the rest of the image will be left unaffected. This effect is intended for very large, high-resolution photos, for example panorama pictures.

> **Sharpness**
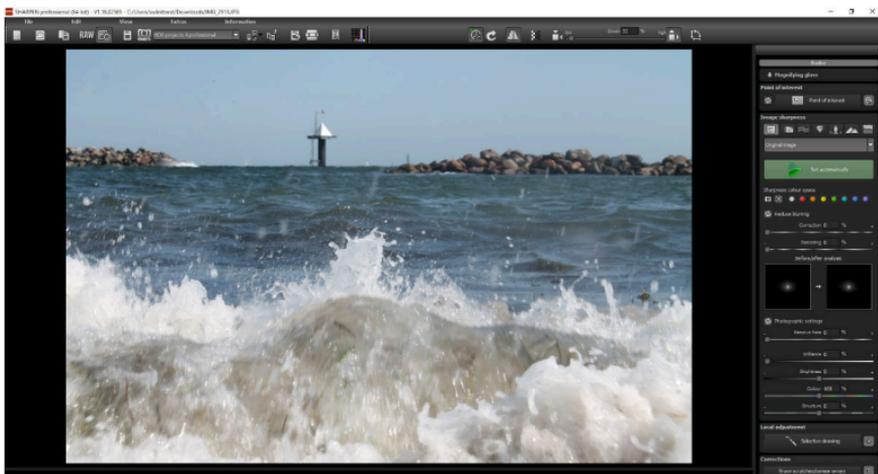
The image focus controls on the right hand side of the screen are divided into the following categories:

(I) Category

The following sharpness categories are available (from left to right):

- **All Presets**

Selelect the "All Presets" category to display all of the available presets in the below drop-down menu, and to select a fitting option. Hit "Set autmotically" to automatically select the optimal preset with just one click.
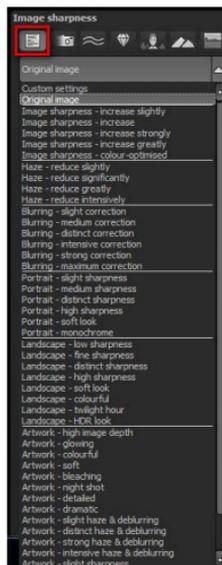
Before and after comparison following automatic processing with the "All Presets" category

- ***Blurring Presets***

Select this category if your original image is blurry. The drop down list contains a variety of sub-categories to specifically adjust the shake corrector.

Hit "Set automtically" to auto-matically select the optimal shake preset with just one click.

Original image

Custom settings
Original image
Blurring - slight correction
Blurring - medium correction
Blurring - distinct correction
Blurring - intensive correction
Blurring - strong correction
Blurring - maximum correction
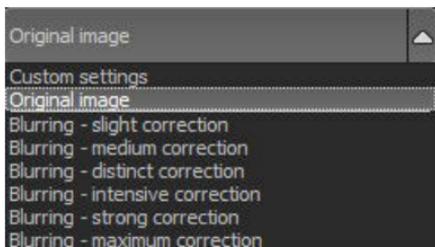
Before and after comparison following automatic processing with the "Blurring" category

- **Haze & Fog Presets**

If haze and fog interfere in your original image this function is the right choice.

The drop down list contains a variety of sub-categories to specifically set the haze or fog reduction. Hit "Set automtically" to automatically select the optimal haze/fog preset with just one click.

| Original image	▲
Custom settings	
Original image	
Haze - reduce slightly	
Haze - reduce significantly	
Haze - reduce greatly	
Haze - reduce intensively	

Before and after comparison following automatic processing with the "Haze & Fog" category

- ***General Image Sharpness Presets***

If you aren't faced with a specific problem like haze & fog or shake, you can adjust the general image sharpness, the "General Image Sharpness" option is the way to go.
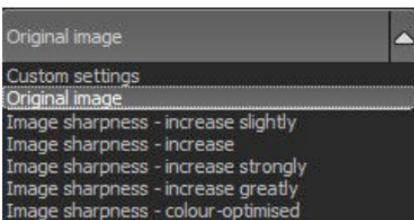
Use the options found in the drop down menu to choose the criteria for how, and to what degree of intensity, the image should be sharpened. Hit "Set automatically" to automatically select the optimal overall sharpness preset with just one click.

Before and after comparison following automatic processing with the "General Image Sharpness" category

- **Portrait Presets**

If you are working with a portrait needing a bit of sharpening, select this category. Further sharpness presets can be found in the drop down menu. Here you can choose the sharpness intensity.

"Portrait - soft look", for example, offers you blurring and black & white effects. Hit "Set automatically" to automatically select the optimal portrait preset with just one click.


Before and after comparison following automatic processing with the "Portrait" category

- **Landscape Presets**

Select this catrgory if your photo is a landscape requiring sharpening. Additional effects like an HDR look are also available. Hit "Set automtically" to automatically select the optimal landscape preset with just one click.

Original image

Custom settings
Original image
Landscape - low sharpness
Landscape - fine sharpness
Landscape - distinct sharpness
Landscape - high sharpness
Landscape - soft look
Landscape - colourful
Landscape - twilight hour
Landscape - HDR look
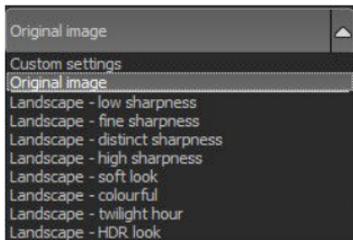
Before and after comparison following automatic processing with the "Landscape" category

- **Artwork Presets**

The "Artwork" category offers various sharpness, blur and editing effects. If your image doesn't fit any other category, this is your jackpot! Give different settings from the drop down menu a try.
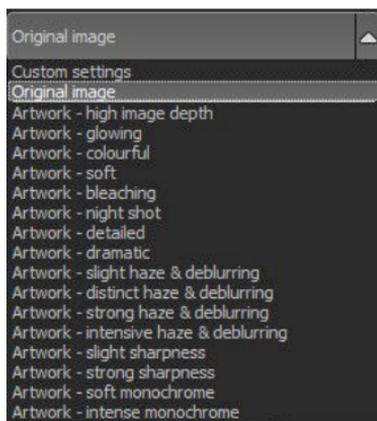
Before and after comparison following automatic processing with the "Artwork" category.

(II) Automatic Processing

The "Set automatically" button automatically modifies the currently loaded image.
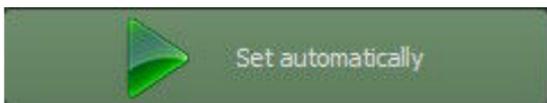
The automatic processing analyses the existing image material and looks for suitable presets based on the selected category.

The photo will be processed immediately and the automatically adjusted result will be instantly displayed.

Automatic sharpness before and after comparison

We recommend to always use the automatic first, and then to modify the sharpness settings (see IV) as well as the photographic settings (see V) as desired.

(III) Sharpness Colour Space

Sharpness colour spaces are a special feature in **SHARPEN projects**. This option allows you to specify a colour space for image sharpening processing.

- The camera symbol on the left sets the algorithms for the common colours in the image

- The eye symbol adjusts the photo to best correspond to the colour sensitivity of the human eye

- The following eight coloured buttons are responsible for increasing the precision of the sharpness processing for a particular tone, and thus render a finer focus

(IV) Image Sharpness and Settings

The following section is for the manual corrector settings. There are different controls according to the selected category.

The three integrated processes are as follows:

➢ **Verwacklung/Unschärfe reduzieren**

With help from PSF (Point Spread Function), this process analyses an image's blur by assessing blurry areas around a particular spot in the picture.

The following settings are available:

Corrector   Blur corrector intensity

Radius   Blur corrector size

Quality   Processing quality

Fineness   Processing precision

Denoising   Noise removal intensity

Additionally, a before and after analysis of the PSF can be found below the controls.
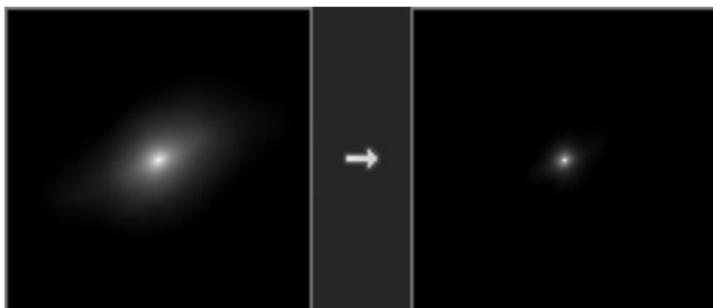
We see on the left a dispersion from the bottom left towards the top right around the middle point. This means that the blur is directed towards the top right, which could have occurred through a movement of the camera to the upper right.

The image on the right depicts the blur after the automatic correction. The blur in the resulting image is significantly less.

➢ **Adaptive Focus**

The adaptive image sharpness analyses the structure of the current image material and sharpens the detailed ares in the photo. The focus of the flatter areas of the image remains untouched.

This process is well suited for portraits and is also applied in the portrait category.

The following settings are available:

Sharpness   Sharpness intensity

Precision   Sharpness strength

Denoising   Noise removal intensity

➢ **Overall Image Sharpness**

Overall image sharpness is a valuable process for generally improving focus.

This feature is especially well suited for architectural shots.

The following settings are available:

Sharpness   Overall sharpening intensity

Quality   Processing quality

Denoising   Noise removal intensity

Additionally, sharpness can be controlled through brightness and colour optimisation.

(V) Photographic Settings

The photographic settings allow for further brilliance, structure, brightness and colour adjustments.

Additionally, there is a special process to correct haze and fog.

These settings can also be accessed through the automatic "haze & fog" category.

Before and after comparison of the automatic haze & fog corrector

7. Local Adjustments and Selective Drawing

The new highlight tool from **SHARPEN projects professional** deserves very special attention. Firstly, this tool selectively edits chosen areas without complicated masks done by hand, like other photo editing programs. **SHARPEN projects professional** includes a completely newly developed intelligent border recognition algorithm, that independently identifies borders, lines, differentiations and light differences in drawing mode. The boundaries of the area that the mouse skimmed over are saved as a mask. These easily and precisely set masks serve as the basis for seven important image enhancements: "Shading", "Illuminating", "Intensifying Colour", "Reduce Colour", "Strengthen Details" and "Reduce Details". A mask can even be saved as its own image file and used in other photo editing programs.
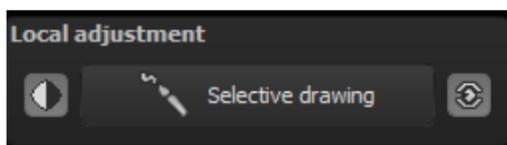
How it all works is probably easiest to explain with an example. Open the selective drawing window (post-processing, finalise - bottom right). Our example is a single image file of a typical twilight on the beach. The picture's colour details are already well edited. Now we want to slightly brighten the rocks without taking away the evening mood; the sky, water and beach should not be brightened.

1. Select editing objective

For this case, select "Illuminating". Make sure that the selected mask function is activated and the green checkmark is showing.
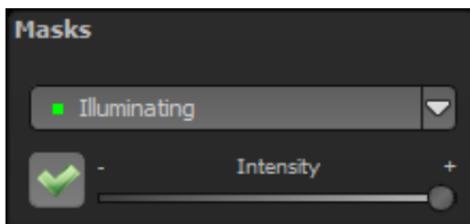
2. Activate drawing mode

3. Activate filling mode

4. Run the mouse over the contours
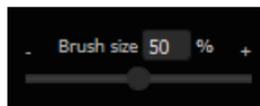
without clicking. You can decide and correct the brush size afterwards.

5. Now look at the mask display. The object where the borders were automatically recognised is now depicted. Click and hold, and then trace your mouse along the edges of your chosen object until it is completely selected. In the blink of an eye we will see the effect as well as the overlying mask.

6. Once fully selected, blend the mask out by moving the mask intensity control to the left.

7. You will now see only the effect, that is brighter rocks - our objective was "Illuminating". Now you can adjust the intensity of the effect by sliding the control towards the + or -, according to your preferred strength. Done: the rocks are brighter while the sky, beach and water remain untouched by the editing.

8. Click on "Close". You will be returned to post-processing and the selective change will be applied.

The rocks on the right are significantly brighter after the selective correction. The sky and sea still have the same tone values as before.

9. Every selectively applied effect can be activated and deactivated with the green checkmarks.

10. Borders have different intensities in every image. Presets normally do just fine, but sometimes it is necessary to adjust the contour and sharpness settings in order to reach perfect fine-tuned results.

11. Have you drawn outside of the lines, despite the border re-cognition? You can easily remove it with the eraser.

    If you only want to remove a small section, use the eraser with limitation. When set to 50%, you can only remove 50% of the mask, regardless of how much you erase. The limited drawing mode works in the same way, and only draws at a certain opacity.

12. If you want to mask the entire image except for a small object, it is a good idea to mask only the small object and then reverse the mask by clicking on the.

Pro Tip: You have two filling modes to choose from when you want to fill a mask. When do you use which mask? We used the normal fill mode as in our example for a large surface, which is also preferred for water and sky areas.

Ray filling mode is very precise and favoured for smaller objects, geometric forms or subjects with straight lines, like in our example here.
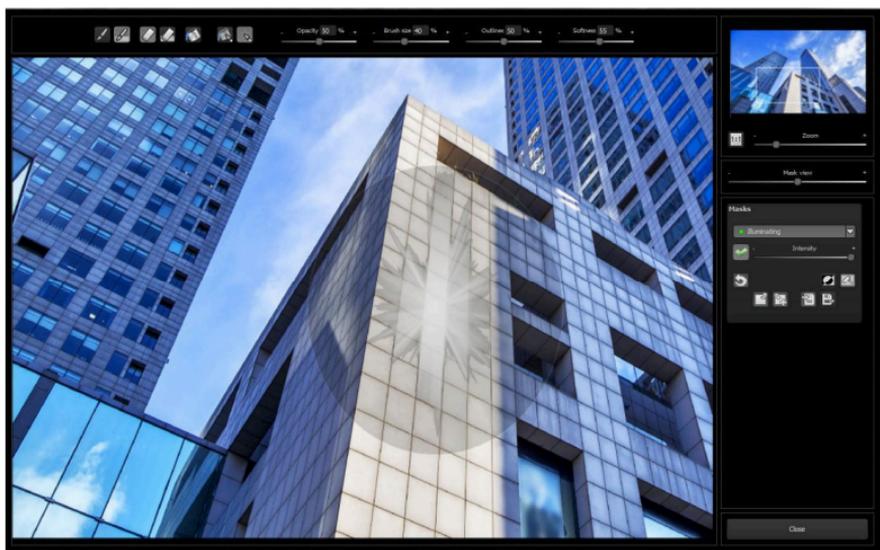
With ray filling mode you can mask just the walls of the skyscraper while the window surfaces are not selected.

8. Scratch and Sensor Errors

Corrections

Erase scratches/sensor errors
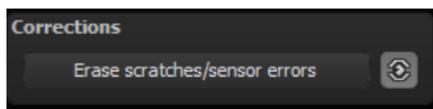
Micro-contrast enhancement used in photography unfortunately shows every unwanted sensor imperfection that every photographer, despite internal camera sensor cleaning, knows and dreads. Don't stress - just eliminate them! With the easy to apply correction function from **SHARPEN projects professional**, it can even be fun.

Pro Tip: This intelligent correction doesn't only remove sensor spots, but other disturbing things too - a deserted beach has never been so easy to produce.

Lightly mark defects in your motif, the program will automatically substitute these areas with other appropriate parts of the image.
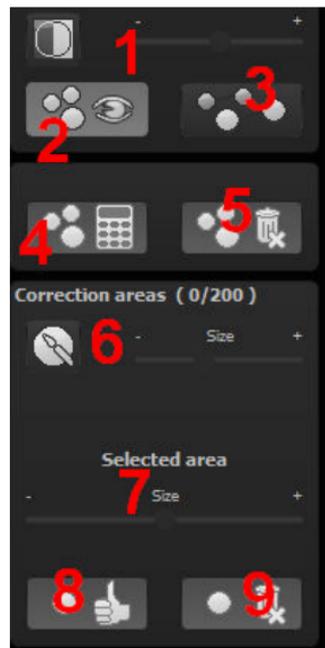
Here's how to go about correcting:

Select the brush tool under **(6)** and click on the point of the image that you would like to correct. A circle will appear beside it that will serve as a source.

Move this circle to a place on the image that can act as a source for the first marking. The selected area will then be improved based on the source.

Prior to this, you can reveal sensor spots, which will appear as a bright patch in the image, with **(1).**

(2) allows you to expose or hide the fixed areas. Even when the corrections are still

active, even if they have been blended in. Hiding is solely to enable a before and after comparison.

You can select multiple areas to correct by simply clicking on the brush symbol **(6)** and adding another point.

The button marked **(3)** can blend the targeted corrections in and out, which also controls clarity.

(5) deletes the added corrections.

The section marked **(7)** controls the size of the area that is to be corrected.

You also have the option to automatically search for the best source area for the improvement. Click on the (8) button.

Button **(4)** calculates the appropriate correction spots for all of the points automatically set using **(8).**

All currently selected corrections can be deleted with the **(9)** button.

The sensor spots are circled in red

The sensor spot corrector marks all of the patches and determines a source within the image that can be used as a substitute.

Successful sensor spot correction.

9. Further Options

> **Comparison View**

Do you want a comparison to your original image? Simply right click on the middle of the image to see the before/after result. A quick check on the editing process is available at any time. For an extensive overview with selectable areas and luminance display, click on the symbol bar.

> **Real Time Processing**

When activated, all of the changes that you have made to the preset settings will be immediately applied to the image and you will see the outcome of your adjustments directly.

> **High-Quality Display**

Activate this option to see the preview image in high-resolution. If the preview is set at 100%, there will be no difference. If you zoom in

on a section of the photo however, there is a noticeable difference in quality.

> **Border Pixel Display**

The border pixel display helps to reveal areas that tend towards maximal light and dark values, that is to white and black. Dark border pixels are depicted by blue and light pixels by orange.
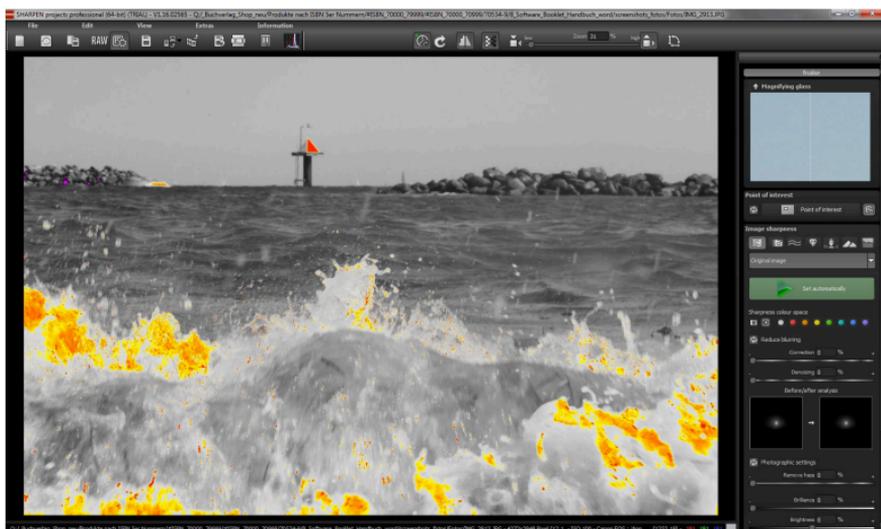
Depiction of border pixels in dark blue and orange tones

If you would want to brighten this image, you have to be careful of the orange border pixels. The bright areas of the waves should not become too white, in order to avoid losing detail. In technical terms, these patches are called "burned highlights". The border pixel view helps to find these critical image areas.

30

10. Workflow

> ➤ **Edit final image further in an external program**

SHARPEN projects professional offers interaction with external programs. That way you can take a successful result to another photo editing program and continue there.

> ➤ **Open in other projects programs**

Click on the "Projects" symbol in the toolbar to open the image in a different program from the *projects* series. Use the drop-down menu beside the symbol to choose one of the programs that you already have installed on your computer.
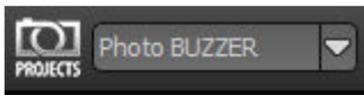
> ➤ **Open in other photo-editing programs**

To directly open the image in another photo editing program, such as Adobe Photoshop, click on the corresponding button in the symbol bar.

If necessary, go through the settings to show the path to the program. Click on "Extras" in the menu and select "Settings" in the drop-down menu:
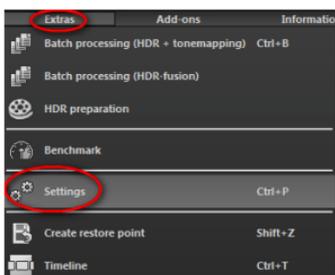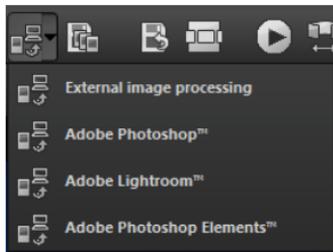
Next, click on the "Export" tab. You can enter the name of a photo editing program here, and save it for later as well.

31
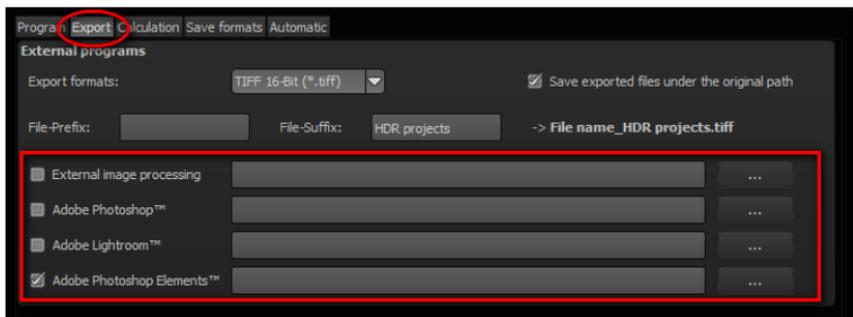
> ➤ **Work with a timeline and restore points**

This option can be found in the symbol bar at the top edge of the screen:

"Create Restore Point" saves an in-between point of the current settings. You can now always return to this stage of your editing. You can save as many editing restore points as you like. The timeline displays the restore points and makes it possible to call up any phase with just a single click:

This function is especially useful when, for example, you are satisfied with an image, yet want to continue trying out different settings and effects. Simply set a restore point and carry on editing your picture. If you want to go back, simply click on your restore point in the time-line.

11. Selecting and Saving Sections of Images

To save a final image, click on the button in the toolbar, go through the file menu or use the corresponding keyboard shortcut (Ctrl+S).

➢ **Cropping and captions**

As soon as you have initiated to save a file, the cropping and caption window will open.
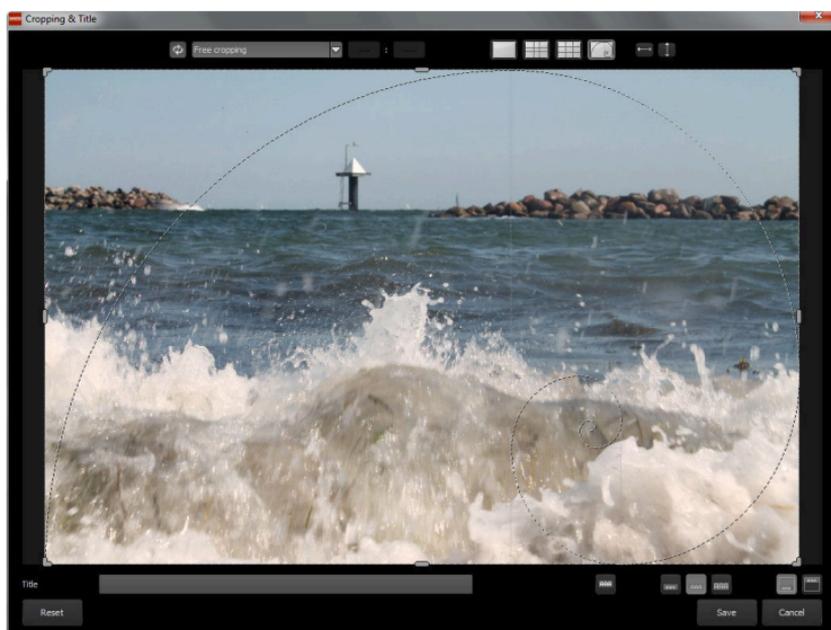
At the top are several practical aids for perfect image composition and cropping.

You can set the aspect ratio and activate guidelines like the rule of thirds, the golden section or the golden spiral.

The centre of the window shows your final image. Fix the area to be saved by adjusting the corners and borders of the photo.

At the bottom is an option to enter a caption. You can determine the size, position and background for the text. The size of the text will be automatically coordinated to the final cropping.

You can either crop free-handedly or use one of the 71 provided formats.
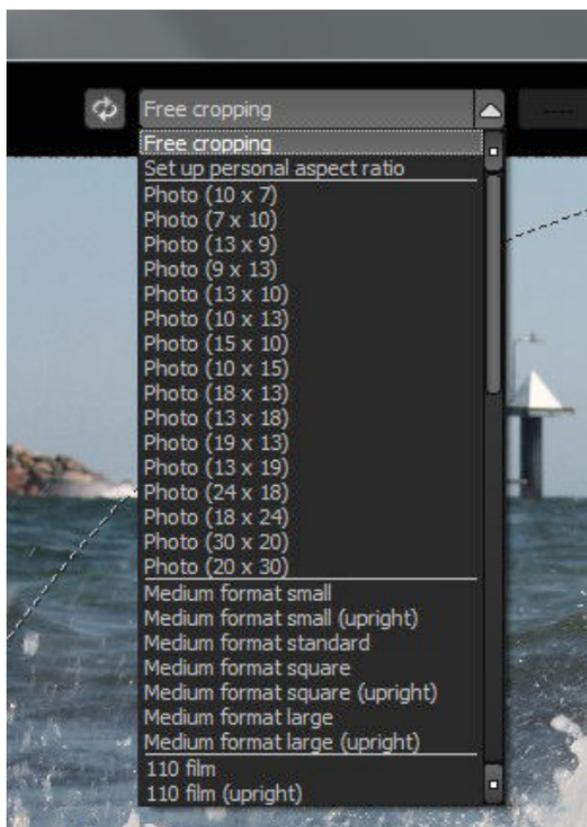
Please note: If you choose the cropping, e.g. 13 x 18, the final image will not be saved as 13 x 18 cm, rather as a _ratio_ of 13 to 18.

As soon as the image has been cropped and captioned, confirm the save and the following window will prompt you to select a file format and name your file.

12. RAW Processing

You can upload and edit RAW image data with the integrated RAW mode. Numerous tools are available to you here, such as denoising/sharpen, exposure, colour, detail and powerful distortion capabilities.
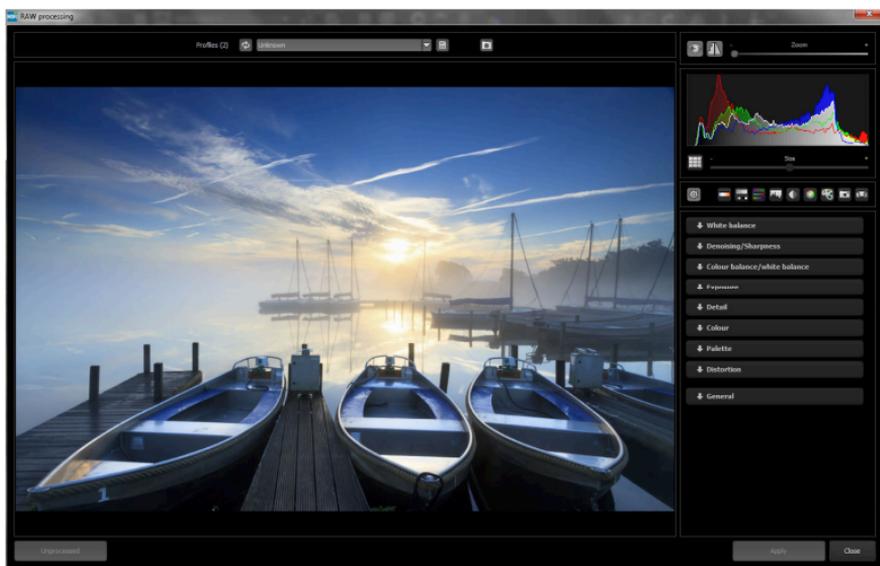
An overview of the most important RAW functions:

White balance: Here you can regulate the colour temperature. Use the pipette to select a white balancing colour directly from the image.

Denoising/sharpness: This feature regulates the image's noise and sharpness. Control the quality and different types of noise such as colour noise, banding or hot pixels.

Colour balance/white balance: Here it's all about colour and black/white correction. Modify the general colour mood and neutralise white and black - the icing on the cake for professional colour correction.

Exposure: Influence lights, shadows, contrast and brightness in the final image.

Detail: Fine-tune clarity and micro-details with lights, shadows and midtones.

Colour: These colour settings are all about the luminosity of lights and shadows. You can even reduce the presence of unwanted chromatic aberrations.

Palate: Adjust the saturation of individual colours.

Distortion: Take a closer look. These mighty tools can straighten out the horizon, correct camera angles and lens errors. Use "Autofit" to automatically trim any awkward borders.

General: Activate the "360° panorama mode" to optimise matching edges of images in a panorama series.
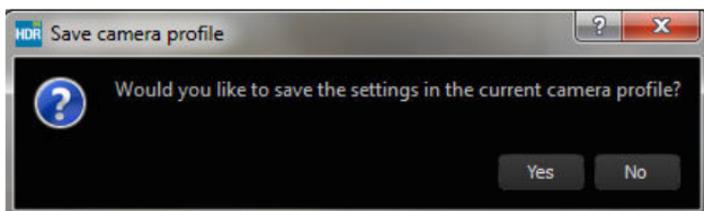
Save your settings as a camera profile to save time in the future. This can be reset at any time.

13. Batch Processing

SHARPEN projects professionals batch processing allows for automatic processing of multiple bracketing series. The function can be found in the drop-down menu for **"Extras"** in the menu bar.

First, choose the source folder where the individual images are located. The files can also be mixed, since the system will automatically recognise and sort the bracketing series vs single shots.

The "Include all subdirectories" checkbox not only searches through all of the selected folders, but also all subfolders and their further subfolders.
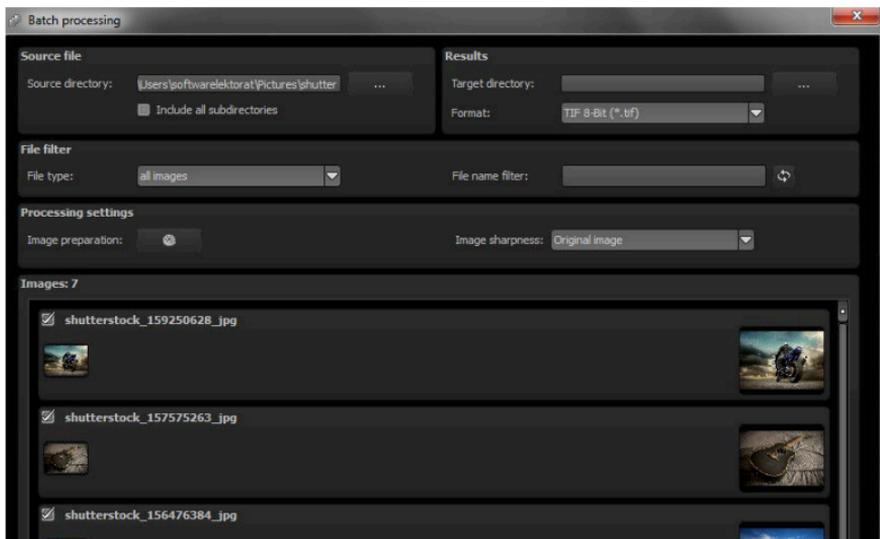
Note: Remember that looking through folders with several subfolders can require a lot of time. That's why selecting "C:\" is not recommended.

> ➢ **Processing settings**

Select the default settings for the image preparation and the image sharpness presets here.

Image sharpness: Original image

Original image
Image sharpness - increase slightly
Image sharpness - increase
Image sharpness - increase strongly
Image sharpness - increase greatly
Image sharpness - colour-optimised
Haze - reduce slightly
Haze - reduce significantly
Haze - reduce greatly
Haze - reduce intensively
Blurring - slight correction
Blurring - medium correction
Blurring - distinct correction
Blurring - intensive correction
Blurring - strong correction
Blurring - maximum correction
Portrait - slight sharpness
Portrait - medium sharpness
Portrait - distinct sharpness
Portrait - high sharpness
Portrait - soft look
Portrait - monochrome
Landscape - low sharpness
Landscape - fine sharpness
Landscape - distinct sharpness

14. Plug-in Installation

SHARPEN projects professional can also be used as a plug-in for Adobe® Photoshop. Newer versions of Photoshop are automatically detected by **SHARPEN projects professional** during installation and the plug-ins are installed in the respective plug-in folder. Older versions of Photoshop might require manual installation.

If you purchased your software as a download or if you have lost your CD, the plug-ins are also available for download at:

www.projects-software.com/plugins

Using plug-ins with Windows

Adobe Photoshop & Adobe Photoshop Elements

The following window will appear when installing **SHARPEN projects professional**:
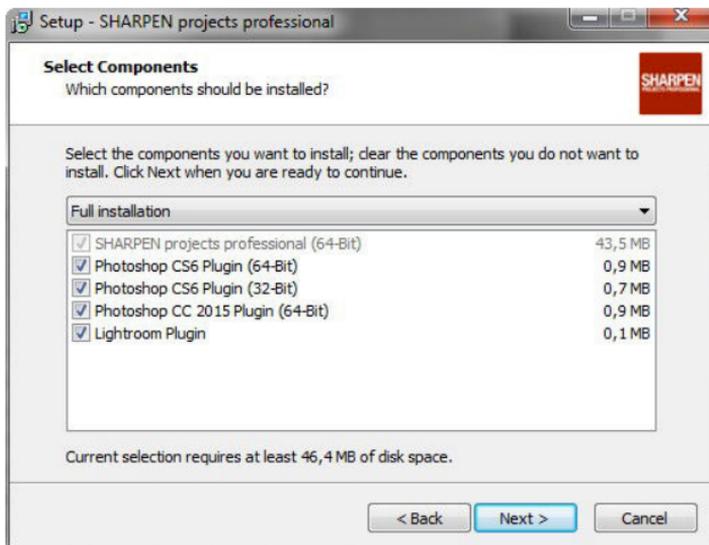
Select the version of Photoshop where you would like to install the **SHARPEN projects professional** plug-in. Click on "next" and follow the instructions from the installation assistant. The plug-ins will then be automatically installed.

If your version of Photoshop is not automatically recognised, the following notification will appear:
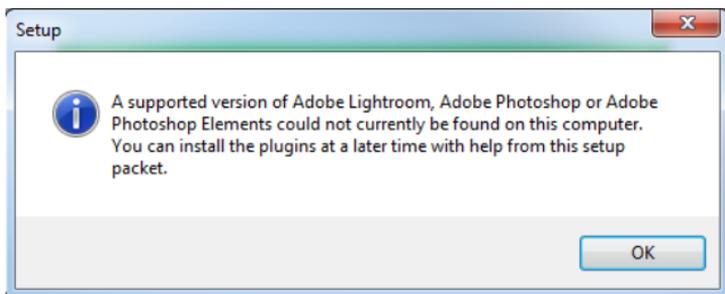
In this case, the plug-in must be manually copied into the "Photoshop Plug-in Folder". Click on "Open Plug-ins Folder" on the start screen. Windows Explorer will then open with all available Photoshop plug-ins.

Open the folder for your version of Photoshop and drag & drop the plug-in found in this folder to the Photoshop
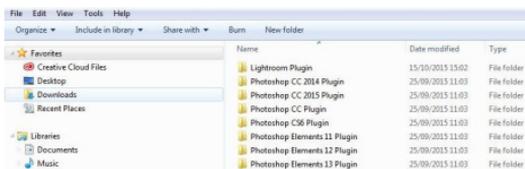
plug-in folder, which normally can be found through "Programs → Adobe → Adobe Photoshop → Plug-ins". The plug-in can also be copy & pasted into the Photoshop plug-in folder.
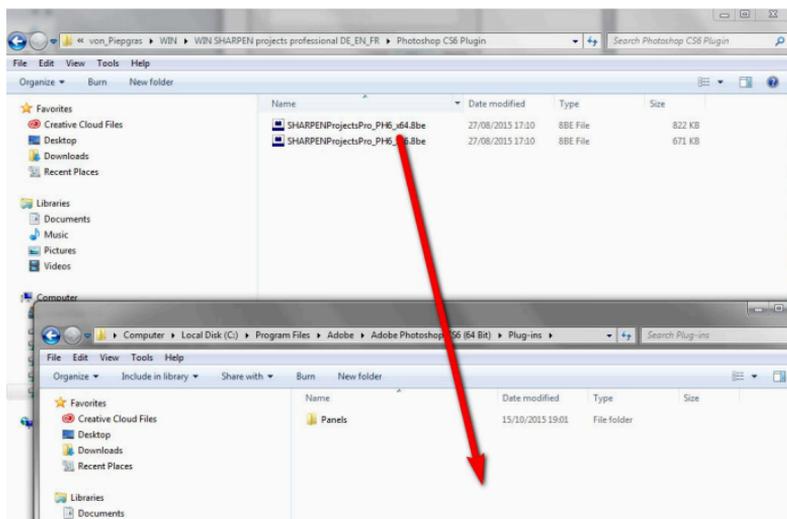
Finally, the plug-in can be found in Photoshop through "File → Export → SHARPEN projects professional".
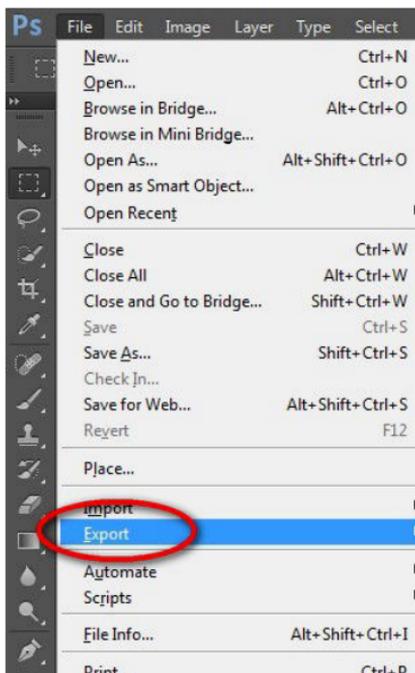
Using plug-ins with Mac OS X

Adobe Photoshop & Adobe Photoshop Elements

Plug-ins can be found on the start screen in the "Plug-ins" folder. Select the appropriate folder for your version of Photoshop (we chose Photoshop CS6 for our example). Double click the .zip file to extract the plug-ins.

Next, drag & drop the plug-in to the plug-in folder for your version of Photoshop, which is normally labeled as "plug-ins".

Start up your version of Photoshop, load an image and navigate to "File → Export → SHARPEN projects professional". One click will start the plug-in. The image will now be opened in **SHARPEN projects professional**.

Adobe Lightroom with Windows

For Adobe Lightroom, it is often the case that plug-ins are not automatically installed. Continue as follows:

Copy the plug-in folder "Lightroom Plug-in" from your CD-ROM.

If you have no CD, the plug-in is also available for download at: www.projects-software.com/plugins

Paste the folder where you want it to be located.

We recommend the folder where also your presets are stored:

C:\Users*username*\SHARPEN Projects Pro.
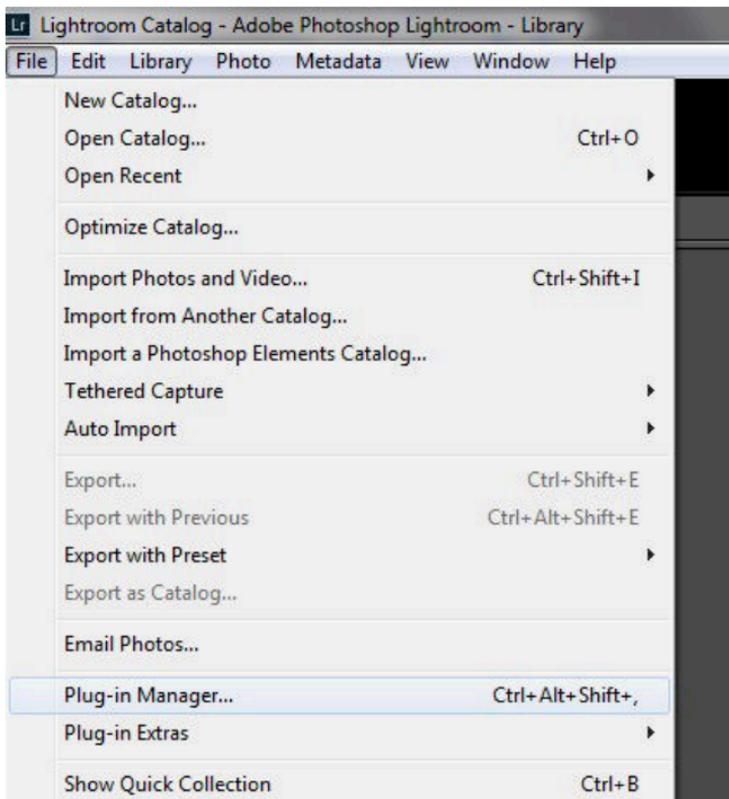
Start Lightroom und navigate to "File" → "Plug-In Manager".

Click the "Add" button in the Lightroom Plug-In Manager.
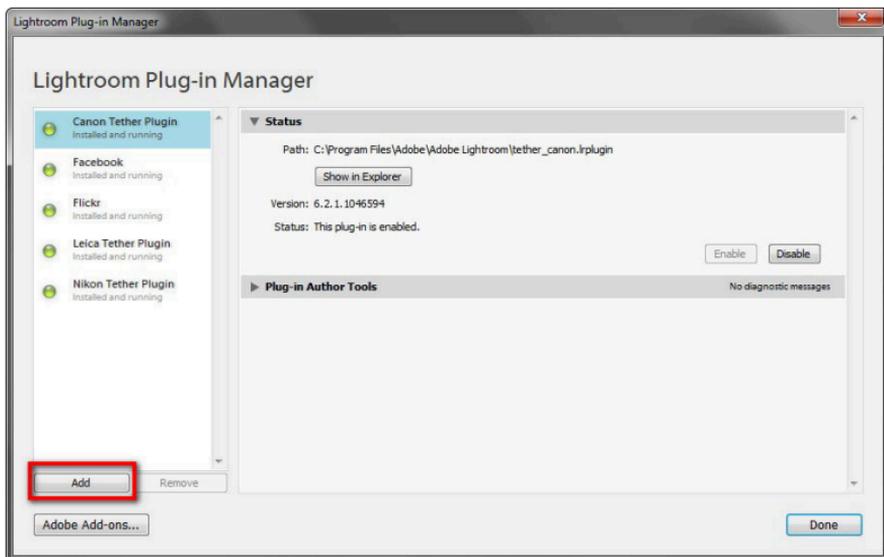
Navigate to the appropriate Lightroom plug-in for **SHARPEN projects professional** that you just added to your PC.

Click on "Select Folder" and then "Done".

In Lightroom, the plug-in can be found through "File → Export with Preset → Export to SHARPEN projects professional".
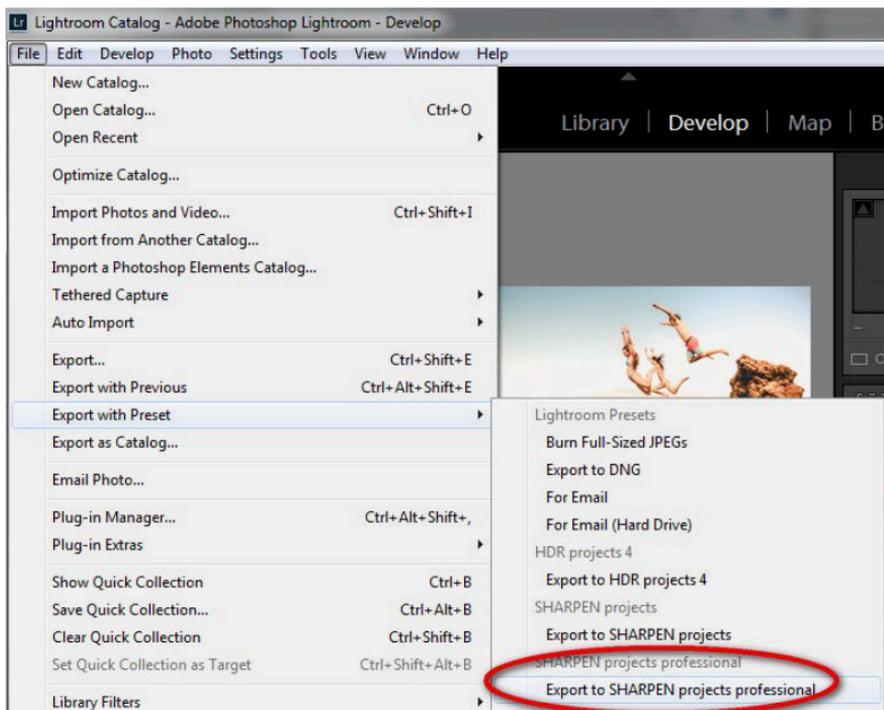
ALTERNATIVE:

Right-click on the image directly in Lightroom and select „Export →
Export to SHARPEN projects professional".

Adobe Lightroom with Mac

For Adobe Lightroom, the plug-in will not be automatically installed. Continue as follows:

Install **SHARPEN projects professional** to the program link of your Mac.

Copy the plug-in .zip file from the "Lightroom Plug-in" folder on your CD-ROM. Double click on the .zip file to extract the plug-in to a folder where you want it to be located.

We recommend the folder where also your presets are stored:

C:\Benutzer(Users)*username*\SHARPEN Projects Pro.

Start Lightroom und navigate to "File → Plug-In Manager".

Click the "Add" button in the Lightroom Plug-In Manager.

Navigate to the appropriate Lightroom plug-in for **SHARPEN projects professional** that you just added to your PC.

Click on "Select Folder" and then "Done".

Sometimes it can be necessary to close Lightroom and then to restart. Afterwards, the plug-in will be installed and activated.

There are more ways to export your image from Lightroom to **SHARPEN projects professional**:

„File → Export with Preset → Export to SHARPEN projects professional".

ALTERNATIVE:

Right-click on the image directly in Lightroom and select „Export → Export to SHARPEN projects professional".

15. Keyboard Shortcuts

Menu Functions:

Windows	Apple	
Ctrl + N	cmd + N	New project
Ctrl + Shift + O	cmd + Shift + O	Upload single image
Ctrl + S	cmd + S	Save result
Ctrl + B	cmd + B	Open batch processing
Shift + Z	Shift + Z	Create restore point
Ctrl + Z	cmd + Z	Return to restore point
Ctrl + T	cmd + T	Show/hide timeline view
F4	F4	Open RAW mode
F7	F7	Show post-processing view
Ctrl + E	cmd + E	Show exif information
Ctrl + H	cmd + H	Show/hide histogram
Ctrl + F	cmd + F	Open/close full screen
ESC	ESC	Close full screen
Ctrl + P	cmd + P	Open settings
Shift + F1	Shift + F1	Open about window
@	@	Show product homepage
Ctrl + F4	cmd + Q	Close application

Image Functions:

Windows	Apple	
Ctrl + Plus	cmd + Plus	Zoom in
Ctrl + Minus	cmd + Minus	Zoom out
Ctrl + 0	cmd + 0	Zoom to100%
L	L	Set magnified view
Double Click	Double Click	Switch between "Fit" and "1:1" views

RAW Developing:

Windows	Apple	
Ctrl + Plus	cmd + Plus	Zoom in
Ctrl + Minus	cmd + Minus	Zoom out

Scratch/Sensor Spot Removal:

Windows	Apple	
N	N	Add new contour area
C	C	Activate/deactivate contour display
Page Up	Page Up	Select next contour area
Page Down	Page Down	Select previous contour area
Cursor Left	Cursor Left	Move selected area 1 pixel to the left
Shift + Cursor Left	Shift + Cursor Left	Move selected area 5 pixel to the left
Ctrl + Cursor Left	cmd + Cusor-Left	Move selected area 10 pixel to the left
Cursor Right	Cursor Right	Move selected area 1 pixel to the right
Shift + Cursor Right	Shift + Cursor Right	Move selected area 5 pixel to the right
Ctrl + Cursor Right	cmd + Cursor Right	Move selected area 10 pixel to the right
Cursor-Up	Cursor-Up	Move selected area 1 pixel up
Shift + Cursor-Up	Shift + Cursor-Up	Move selected area 5 pixel up
Ctrl + Cursor-Up	cmd + Cursor-Up	Move selected area 10 pixel up
Cursor-Down	Cursor-Down	Move selected area 1 pixel down
Delete	Delete	Delete selected contour area
Plus	Plus	Increase selected contour area
Minus	Minus	Reduce selected contour area
Ctrl + Plus	cmd + Plus	Zoom in
Ctrl + Minus	cmd + Minus	Zoom out

Selective Drawing:

Windows	Apple	
Ctrl + Plus	cmd + Plus	Zoom in
Ctrl + Minus	cmd + Minus	Zoom out
Ctrl + 0	cmd + 0	Original resolution
A	A	Activate drawing mode
Shift + A	Shift + A	Activate restricted drawing mode
S	S	Activate eraser
Shift + S	Shift + S	Activate restricted erase mode
D	D	Activate mask fill mode
F	F	Activate brush fill mode
R	R	Activate ray brush fill mode
Plus	Plus	Increase brush size
Minus	Minus	Reduce brush size
Ctrl + Z	cmd + Z	Undo last drawing action
M	M	Activate/deactivate mask view

Hotline/Support

If you have questions regarding the installation, problems or errors of the software, please contact the **FRANZIS customer support team**.

E-Mail: support@franzis.de

Please understand that your questions can only be answered directly by FRANZIS customer support. This is to give us the opportunity to constantly enhance our customer service for you and to make sure that you receive only the most qualified answers to all of your questions as fast as possible.

This is how our customer support works best:

Please have the most important details about your computer and about our product at hand when you call our customer support. These include:

- Name of the product

- Product ISBN (which you can find on the back of the packaging, above the easy to spot barcode).

- Operating system of your computer

- Technical details of your computer including all your peripheral devices

Copyright

Franzis Verlag GmbH has prepared this product with the greatest possible care. Please read the following conditions:

All the programs, routines, controls, etc., contained in this data media or within this download are protected by their respective authors or distributors as mentioned in the respective programs. The purchaser of this data media or of this download is authorised to use those programs, data or data groups that are not marked as shareware or public domain for his/her own purposes within the provisions of their designated use. He/she is authorised to use programs or parts of programs that are marked as shareware, freeware or public domain within the restrictions given by the respective programs or parts of programs. A reproduction of programs with the intent of distributing data media containing programs is forbidden. Franzis Verlag GmbH holds the copyright for the selection, arrangement and disposition of the programs and data on these data media or these downloads.

The data and the programs in this data media or within this download has been checked with the greatest possible care. Considering the large quantity of data and programs, Franzis assumes no warranty for the correctness of the data and a flawless functioning of the programs. Franzis Verlag GmbH and the respective distributors do not undertake neither warranty nor legal responsibility for the use of individual files and information with respect to their economic viability or their fault-free operation for a particular purpose.

Additionally, there is no guarantee that all the included data, programs, icons, sounds and other files are free to use. Therefore the publisher cannot be held liable for a possible breach of third party copyrights or other rights.

Most product designations of hard- and software and company names and labels mentioned in this product are registered trademarks and should be treated as such. The product designations used by the publisher are basically as the manufacturer describes them.

© 2016 Franzis Verlag GmbH, Richard-Reitzner-Allee 2, 85540 Haar, München