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Calibration in Corel PHOTO-PAINT version 4.0

There are four different calibrations possible with Corel PHOTO-PAINT. They are available as follows:

1. The first is in the calibration of the scanner. This effects the images acquired through the twain interface but not images brought into Corel PHOTO-PAINT's open command. It is accessed through the File/ Acquire_image/Calibrate menu. The box allows for changes to be made in each of the channels, red, green and blue, or to all of the channels at the same time. The results of the calibration process are stored in a file with the .MAP extension. This calibration like all .MAP files can also be edited through the File/ Tone_map dialogue box.

2. The second is in the calibration of the monitor. This is done with Display/ Calibrate dialogue box. The gamma value is adjusted until the desired look is obtained on the monitor. The range of gamma 1.3 to 2.1 has proven to be suitable for a wide range of monitors. The desired result is that the colored bars look like they are moving smoothly from one section to the next. You should feel free to experiment as the results are highly subjective. There is no "correct" setting. Increasing the gamma value is similar to turning up the brightness control on the monitor. This will not effect the image only the monitor it is being viewed on.

3. The third is in the calibration of the image itself. This includes the Image/ Tone/ Color/grey_map. Any one of the effects will impact the drawing although they are not calibration per se, it is important to recognize the effect they can have.

4. The fourth is in the printing process. This is the most involved as it requires output from the printer that will ultimately do the job, something like a match print, of the file Corel40/Draw/Samples/Colors.cdr. When you have the printout, go to the File/ Print/ Calibration. Adjust the gray densitometer type scale untill you see creat a match to the printed output. The colors can be matched via the File/ prepress tools dialogue box.