75 New and Enhanced Features in Corel® PaintShop™ Pro X4

Corel® PaintShop™ Pro X4 combines speed and performance improvements with a range of new pro-level tools and features that let you explore your passion for photography. We've been listening to user suggestions and following the latest photography trends so we can bring you an application that does what you want, and helps you discover something new. There is something for everyone—whether you're pushing the creative boundaries with your DSLR camera or quickly fixing and sharing images from your mobile phone or pocket camera.

New! HDR tools
The HDR (high dynamic range) tools are completely redesigned to give you more control over your results and help you take full advantage of photos taken with auto-bracketing features on DSLRs.

- **Exposure Merge** lets you customize how photos with different exposures are combined— create stunning, perfectly exposed images from those high-contrast backlit scenes, such as sunsets and interior window shots. Use the built-in presets to adjust your images or save your own presets to achieve a custom, uniform look across a series of HDR photos.

- **Batch Merge** lets you merge multiple bracketed sets of photos. If you use your auto-bracket feature often, this is an invaluable tool for processing HDR sets quickly. In some cases, you'll be happy with the auto-generated results. In other cases, you'll discover a beautiful result that you want to customize in Exposure Merge.

New! Photo Blend
Combine photos of the same scene to remove, swap, or add details in the final image. For example, remove cars and people from a street scene, swap in the best smiles from a series of group photos, and creatively include multiple versions of the same person in one image.

New! Selective Focus effect
Selective focus lets you create a quick miniature effect (also called a Tilt-Shift effect), transforming a real scene into a toy-like miniature model. You can also use Selective Focus to bring attention to important parts of your images - it's perfect for blurring out busy details surrounding your subjects.

New! Vignette effect
A classic effect that lets you bring attention to the most important part of your photos by applying a soft, faded border around the outer edge of photos.

New! Fill Light and Clarity filter
Fill Light almost magically brightens shadow areas of photos, without affecting other areas of the photo. Clarity enhances subtle yet important details, increasing the texture and depth in photos.

New & Enhanced! Built-in sharing to Facebook and Flickr
Share to Facebook or Flickr with the click of a button. The sharing options are in the Organizer palette, so they are available from any workspace.

Enhanced! Camera RAW Lab
The Camera RAW Lab has a larger preview area and improved histogram feedback that makes it easier to assess your adjustments. New highlight recovery options mean that you can often reconstruct detail in overexposed areas.

Enhanced! Tabbed workspaces
The application has been redesigned so you can move easily between photo workflows. Click the tabs at the top of the application window to switch workspaces. The **Manage** workspace gives you all the power to review and organize your photos, as well as access multi-photo processing options. The **Adjust** workspace puts commonly-used editing tools at your fingertips. Finally, the **Edit** workspace provides you with a full range of professional-level editing tools. No matter which workspace you're in, the Organizer palette is always there—no need to go to a separate workspace or application to find more photos.

Enhanced! Performance
With new performance updates including GPU optimizations, Corel PaintShop Pro X4 is faster than previous versions. Effects including Noise Reduction, Vibrancy and Tone Mapping can now be applied in real time.

Enhanced! Full-screen review
Quick Review lets you review your photos in a full-screen preview window. The feature has been redesigned to focus on speed and simplicity. You can quickly review, delete, rotate, and rate your photos.

Plus many other enhancements including:
- Ability to clean up organizer database
- Ability to use numeric entry on curve points
- Ability to set file association to application
- Add full noise removal and high pass sharpen
- Add background fusion to Smart Carver
- Add Facebook and Flicker sharing to organizer palette
- Add HDR and Photo Blend launch options to organizer palette
- Add highlight recovery in RAW Lab
- Add new organizer in Adjust workspace
- Add organizer file access & navigation palettes into Full Editor
- Add Presets in HDR
- Add revert editing in Capture / Apply
- Add special characters input to text tool ®, ©, and ™. Use standard "(c)" convention
- Add white balance adjustment to HDR
- Additional EXIF/IPTC fields

- Adjustment layers types for Local Tone Mapping, Histogram, Vibrancy, Fill Light & Clarity
- Auto grouping for HDR brackets
- Backup and restore organizer database
- Better RAW preview performance
- Clean up color profile matching
- Dropper tool for color balance
- Dual Monitor Support
- Enhance Layers palette design
- Enhance Layers palette masks to work in 16-bit image mode
- Enhance program stability and memory utilization
- Enhanced EXIF / IPTC data display in manage workspace
- Error reporting dialog for program crashes to submit crash dump
- HDR partial rendering for better performance
- Improve memory consumption in Smart Carver
- Latest cameras supported in RAW Lab
- Memory swapping to hard disk for large files
- Move Learning Center palette to right side of screen
- MUI language switching
- New Adjust workspace
- Performance improvements in RAW Lab
- Program can coexist with PSPP X3 and PSPP X2
- Refine menu design in Manage, Adjust, and Edit workspaces
- Remove Instant Viewer
- Remove photo downloader
- Re-skin application and new icons
- Search field in organizer header
- Single language install selection
- Speed up local tone mapping
- Speed up Noise Removal
- Speed up Vibrancy
- Store ratings & tags for non-jpeg files in the database
- Support for MPO file format
- Support for UFO file format
- Support standard options in the Windows 7 taskbar
- Unicode support for better language and file system support
- Update application framework
- Update Depth of Field feathering to be outside the selection
- Update digital signature tools
- Update media cataloguing performance and thumbnail generation
- Updated Histogram in RAW Lab
- Updated plug-in interface
- Updated RAW Lab Layout - bigger preview window

- Microsoft® Windows 7 and Vista Direct2D support in Manage Preview and Photo-Viewer functions.

New 16-bit support for:

- Scratch Remover
- Background eraser
- Blur: Average
- Motion Blur
- Radial Blur
- Paint clone
- Paint eraser
- Despeckle
- Paint Brush
- Picture Tube Tool
- Skin Smoothing
- Soft Focus
- Makeover: Suntan

- Tool Bar:
- Object Remover
- Air brush
- Lighten/Darken
- Dodge
- Burn
- Smudge
- Push
- Soften
- Sharpen
- Emboss
- Saturation up/down
- Hue up/down
- Change to target
- Color replace
- Warp Brush
- Mesh Warp