

# Adobe® Photoshop® Lightroom® 2.1 Readme

Welcome to Adobe® Photoshop® Lightroom® 2. This document contains late-breaking product information, feature notes, and troubleshooting tips not covered in the Lightroom documentation.

- Minimum System Requirements
- Installing Lightroom 2.1
- Serial Numbers
- Upgrading From Lightroom 1
- General Program Notes
- New in Lightroom 2.1
- Working with Lightroom 2 and Adobe Photoshop Camera Raw
- Customer Care
- Other Resources

## Minimum system requirements

### Windows

- Processor: Intel® Pentium 4
- OS: Microsoft® Windows® XP with Service Pack 2 or Windows Vista™ Home Premium, Business, Ultimate, Enterprise Edition or 64-bit editions
- RAM: 1 GB
- Hard Disk: 1 GB of available hard-disk space
- Media: CD-ROM drive
- Display: 1024 x 768 Monitor Resolution

### Macintosh

- Processor: PowerPC® G4, G5, or Intel-based Mac
- OS: Mac OS X 10.4 or Mac OS X 10.5
- RAM: 1 GB
- Hard Disk: 1 GB of available hard-disk space
- Media: CD-ROM drive
- Display: 1024 x 768 Monitor Resolution

## Installing Lightroom 2.1

### Do one of the following

1. For computers with Lightroom currently installed:
  - a. Download the Lightroom 2.1 update from Adobe.com.  
(<http://www.adobe.com/downloads/updates/>)
  - b. Open the folder and double-click Adobe Photoshop Lightroom (Windows or Mac OS), and then follow the on-screen instructions.
2. For computers without a previous version of Lightroom installed:
  - a. The latest version of Lightroom is available for download on Adobe.com. There is no need to install Lightroom 2.0 before updating to Lightroom 2.1. Please download the latest available Lightroom 2.1 version and proceed with the following installation.  
(<http://www.adobe.com/downloads/updates/>)
  - b. Open the folder and double-click Adobe Photoshop Lightroom (Windows or Mac OS), and then follow the on-screen instructions.

### 64-bit Installation Notes

**Mac:** Lightroom 2 is a 32-bit application by default. For customers using OS X 10.5 on an Intel-based computer, Lightroom 2 can be used as a 64-bit application by selecting 'Adobe Lightroom 2' in the Application folder, choosing Get Info(CMD I) and un-checking the 'Open in 32 Bit Mode' option.

**Windows:** The Lightroom installer contains both a 32-bit and 64-bit version of the application. By default, the 64-bit version will be installed only on Windows Vista 64-bit operating systems. All other operating systems will install the 32-bit version by default.

## Serial Numbers

1. Current Lightroom 2 customers do not need to re-enter their serial number.
2. You can find the 24-digit serial number (e.g. 0000 0000 0000 0000 0000 0000) on the back cover of your CD holder. Online or Electronic Software Delivery(ESD) customers will find the serial number both on the receipt page from the online store, and in the e-mail confirmation you received. You will be asked for this number when installing Photoshop Lightroom.
3. If you purchased an upgrade license you will also need to enter a Lightroom 1 serial number. This is not required if Lightroom 1 is already successfully licensed on the current computer.
4. If your new 24-digit serial number does not work, please contact Adobe Customer Service at 800-833-6687 for assistance. For those outside North America, please contact Adobe Customer Service in your region for assistance.

## Upgrading From Lightroom 1

- To update your Lightroom 1 catalog simply launch Lightroom 2 and you will be able to select and upgrade your Lightroom 1 catalog.
- The Lightroom 2 catalog upgrade process does not erase or remove your original Lightroom 1 catalog. If you wish to try the Lightroom 2 30-day trial by upgrading your existing catalog, you may always return to Lightroom 1.4 and continue using your previous catalog. Please note that any changes or work completed in your catalog once it has been upgraded to work with Lightroom 2 will not be available in Lightroom 1.
- Upgrading a Library from Photoshop Elements 6 for Windows requires that Photoshop Elements be installed on the computer at the time of upgrade.
- Lightroom 2 beta catalogs may be upgraded using the same methods available for Lightroom 1 catalogs.(You will see some variations in the local corrections applied to your images in the Lightroom 2 beta)
- If you attempt to upgrade the same Lightroom 1 catalog more than once, Lightroom will inform you of the location of the previously upgraded catalog.

## General Program Notes

### Known Issues

- Burning exported images to disc is not available for the Lightroom 64-bit Windows application.
- Upgrading a Lightroom 1 catalog during a catalog import can create multiple temporary copies of the catalog while upgrading
- Lightroom performance can be impacted when the Window's Recycle Bin contains thousands of files
- Lightroom may not automatically launch an import dialog when a memory card is attached to a Windows Vista computer. Please select the Import button in the Library and select the attached card reader to begin the import.
- Catalogs with hundreds of root (top level) folders can cause very slow launch times. We are currently testing a fix for this but need more time to evaluate it. As a workaround, try right-clicking a root folder and choosing "Add Parent Folder" until the number of folders at the left-most level of the Folders hierarchy is significantly reduced.
- We are still working on additional methods to improve the performance of the new Localized Correction features.

### Supported File Formats:

- JPEG
- TIFF (8 bit, 16 bit)
- PSD (8 bit, 16 bit)
- DNG

- Raw (Please visit <http://www.adobe.com/products/photoshop/cameraraw.html> for a full list of raw file support. File support for Lightroom 2.1 aligns with Camera Raw 5.1)

Newly Supported Raw File Formats:

Canon	1000D (Digital Rebel XS/EOS Kiss F)	Nikon	D700
Canon	50D	Nikon	D90
Fuji	FinePix IS Pro	Nikon	Coolpix P6000
Kodak	EasyShare Kodak Z1015 IS	Olympus	SP-565 UZ
Leaf	AFi II 6	Pentax	K2000 (K-m)
Leaf	AFi II 7	Sigma	DP1
Leaf	Aptus II 6	Sony	A900
Leaf	Aptus II 7		

**Important File Format Support Exceptions (Formats not supported):**

- CMYK Files
- PSD files saved without a composite image. (Saved without “Maximize Compatibility” setting)
- Files with dimensions greater than 65,000 pixels per side (512 Megapixel Total)
- All video files, including those acquired by digital still cameras

## New in Lightroom 2.1

The goal of this release is to address several bugs that were introduced with the release of Lightroom 2.0 and provide additional camera raw support. A comprehensive list of issues **fixed in this release** is included below:

**Stability and High Severity Bugs - Fixed**

- Lightroom could crash when switching to or from the web module on Windows Vista 64.
- Selecting a custom camera profile or using auto-white balance could cause a spinning ball.
- Preference files pointing to missing catalogs could prevent Lightroom from progressing past the registration dialog.
- Errors could occur when attempting to create a virtual copy with a computer that has a processor that is not SSE2 enabled. (This is a method of delivering instructions to the processor which was introduced with the Pentium 4 processor. It should not have affected a significant number of modern machines.)
- Modal dialogs could try to appear on a disabled second monitor, causing Lightroom to appear hung or unresponsive.
- When a DNG file was selected for export to a derivative TIFF file and it is added to the catalog at export there was a possibility that one of the files could be treated as a sidecar within Lightroom such that deleting one file deletes both.

**Performance Bugs - Fixed**

- Attempting to import a large number of images that already exist within the Lightroom catalog could cause significant performance delays.
- The image counts that appear next to each folder could appear to populate slowly.
- Lightroom scanned the calibration profile directory excessively when switching collections.
- The 'three dot' indicator in the grid view persisted longer than necessary.
- The Mac 64-bit version did not have SSE2 optimization, causing reduced rendering speeds.
- Memory leaks in the Library and Develop modules decreased Lightroom performance.
- Applying keywords via presets or on import could greatly decrease import performance.
- Folder synchronizing could experience significant performance decreases.

**Keywords and Metadata - Fixed**

- Keywords from Lightroom 1.4 were not included on image export by default. (Please note that catalogs upgraded from Lightroom 1.4 using Lightroom 2.1 will not have this issue, but catalogs upgraded from

1.4 using 2.0 will still need to use the script posted at our technical support site at: <http://www.adobe.com/go/kb405074>.)

- Lightroom stopped rendering previews prior to completion on files with metadata changes applied by other applications.
- The "Any Searchable Field" search option did not find caption text.

#### **Photoshop Interop - Fixed**

- Edit in Photoshop did not work correctly or at all for some customers.
- Copyright Status and Info URL fields were not transferred when a file was created from Lightroom for use in Photoshop.
- XMP metadata from the IDImager application was not carried over during an Edit in Photoshop operation.
- Files with an ampersand in the file name were not added back to the Lightroom Library after an Edit in Photoshop session.
- Choosing to Edit in Photoshop from a folder with an apostrophe in the name would cause the feature to fail.
- Certain NEF files were rotated incorrectly when opened into Photoshop from Lightroom.

#### **Miscellaneous Troubling Items - Fixed**

- Re-importing missing photos from an exported catalog could ignore the setting 'preserve old settings as virtual copy.'
- Choosing to undo a slider adjustment in Lightroom on Windows would cause two undo steps to occur if the slider was still under active mouse selection.
- Lights Out mode could flicker on Windows when the detail panel was selected in the Develop module.
- The crop aspect ratio could revert to the last selected ratio even when it had been reset to original.
- The spot tool might not switch from clone to healing mode upon request if the brush was above a certain size.
- Certain ORF files were not read by Lightroom.
- During import and conversion to DNG, file renaming could use the operating system's date stamp rather than the file's EXIF date.
- Panoramic images printed with a portrait layout and utilizing the auto layout functionality would cause images to print at a low resolution.

## Working with Lightroom 2 and Adobe Photoshop Camera Raw

Lightroom and Photoshop Camera Raw share the same image processing technology to ensure consistent and compatible results across applications that support raw processing. These applications include Photoshop CS4, Photoshop Elements 6.0 and Premiere Elements 4.0.

### Photoshop Camera Raw 5.1

Adobe applications must be updated with the Camera Raw 5.1 plug-in in order to ensure compatibility with Lightroom 2 develop module settings. Photoshop CS4 users can update the Camera Raw plug-in automatically using the Update tool listed under the Help menu. The Camera Raw 5.1 plug-in can also be downloaded and installed manually by visiting the Adobe web site: [www.adobe.com/products/photoshop/cameraraw.html](http://www.adobe.com/products/photoshop/cameraraw.html). Please follow the installation instructions carefully.

### Sharing Lightroom Settings with Camera Raw 5.1

By default, Lightroom's develop module settings are stored in Lightroom's database. In order to ensure that Lightroom develop settings can be viewed by Camera Raw 5.1 the settings must be written to the XMP metadata block for that file. This metadata is stored in an XMP sidecar file (Imagename.xmp) in the current image directory of proprietary raw files or stored directly within DNG files. To update images with the latest develop settings, choose the library module and select the group of target images. Choose the shortcut Command(Ctrl) + S to save the settings to the XMP metadata block.

### Viewing Lightroom settings in Camera Raw 5.1

Before working in conjunction with Lightroom and Camera Raw please set the Camera Raw preference to: Save image settings in: Sidecar ".xmp" files. By default Camera Raw will display the image adjustments exactly as performed in Lightroom's develop module.

### Viewing Camera Raw settings in Lightroom

Raw files edited by previous versions of Camera Raw will maintain their previous appearance when imported into Lightroom. Note: Those files must have been edited with the preference set to Save image settings in: Sidecar ".xmp" files in order for Lightroom to respect the previous edit. Files edited in Camera Raw after importation into Lightroom can be updated in Lightroom by choosing the "Read Metadata from Files" from the Metadata file menu. Note: This menu option is only available in the Lightroom Library.

### Additional Notes on Camera Raw and Lightroom

- Camera Raw will only read the current settings for the primary image in the Lightroom Library. Virtual Copy adjustments and Snapshot adjustments will not be displayed or available in Camera Raw 5.1

## Customer Service

### Customer Service

Adobe Customer Service provides assistance with product information, sales, registration, and other non-technical issues. To find out how to contact Adobe Customer Service, please visit [adobe.com](http://adobe.com)'s main page for your region or country and click on 'Contact'.

### Technical Plan Options and Technical Resources

If you require technical assistance for your product, including information on free and paid support options and troubleshooting resources, more information is available at [www.adobe.com/go/support/](http://www.adobe.com/go/support/). For outside of North America [www.adobe.com/go/intlsupport/](http://www.adobe.com/go/intlsupport/). Free troubleshooting resources include Adobe's support knowledgebase, Adobe user-to-user forums and more.

## Online Resources

Design Center at <http://www.adobe.com/designcenter/>

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