

Adobe® Photoshop® Lightroom® 2.0 beta Release Notes

Welcome to Adobe® Photoshop® Lightroom® 2.0 beta. This document contains late-breaking product information, feature notes, and troubleshooting tips not covered in the Lightroom documentation.

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IMPORTANT NOTES, PLEASE READ

Primary Known Issues

- **Lightroom 2.0 beta will not upgrade Lightroom 1.x libraries.** The beta is intended to be used for testing and feedback purposes. Lightroom 1.x and 2.0 beta libraries will be migrated to the finished version of Lightroom 2.0.
- While data loss is not expected, this is a very early 'beta' quality build and you should always work on duplicates of files that are securely backed up.
- Lightroom 2 beta will not overwrite or interfere with a machine that currently has Lightroom 1.3.1 installed.
- **Develop settings applied in Lightroom 2.0 beta are not guaranteed to transfer correctly to the final version of 2.0. This is particularly true for localized corrections.**
- The new Photoshop integration functionality is only available with Photoshop CS3 (10.0.1) and should only be used for testing purposes. Metadata associated with the original file may not carry over to the subsequent file saved from Photoshop
- Additional known issues are listed below.

Minimum system requirements

Windows

- Processor: Intel® Pentium 4
- OS: Microsoft® Windows® XP with Service Pack 2 or Windows Vista™ Home Premium, Business, Ultimate, or Enterprise Edition
- 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

Install Lightroom 2.0 beta

Mac

1. Download Lightroom 2.0 beta from labs.adobe.com
2. Double-click the disk image and double-click the Lightroom Beta 2 package in the resulting window then follow the on-screen instructions.

Note: Lightroom 2.0 beta is a 32-bit application by default. For customers using OS X 10.5 on an Intel-based computer, Lightroom 2.0 beta can be used as a 64-bit application by selecting 'Adobe Lightroom

beta 2' in the Application folder, choosing Get Info(CMD I) and un-checking the 'Open in 32 Bit Mode' option.

Windows XP and Windows Vista (32-bit)

1. Download the Lightroom 2.0 beta version indicated as Windows 32-bit from labs.adobe.com
2. Double-click the Lightroom Beta 2 installer then follow the on-screen instructions.

Windows Vista (64-bit)

1. Download Lightroom 2.0 beta version labeled as Windows 64-bit from labs.adobe.com
2. Double-click the Lightroom Beta 2 installer then follow the on-screen instructions.

Note: The 64-bit version of Lightroom 2.0 beta will not work properly on a 32-bit operating system. Please download and use the 32-bit version for 32-bit Vista and XP operating systems. The 32-bit version of Lightroom 2.0 beta will work properly on a Vista 64-bit operating system..

Serial Numbers

Current Lightroom Customers

Lightroom 2.0 beta will install and launch without requesting a serial number on computers that already have a working copy of Lightroom 1.0 installed. If you are testing Lightroom 2.0 beta on a computer without Lightroom 1.0 installed, please enter your serial number in the registration dialog to use the beta for the full duration of the program. 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 and those who purchased from a Tryout CD will find the serial number both on the receipt page from the online store, and in the e-mail confirmation you received.

New Customers

Lightroom 2.0 beta will install and launch as a thirty-day trial. Please use the application for thirty days and provide feedback through the forums at <http://labs.adobe.com/technologies/lightroom>. Current Lightroom customers have the opportunity to invite new customers or friends to join the beta program for the full duration of the public beta. The serial number provided in the invitation email can be entered as described above for current customers.

General Program Notes

Known Issues

- When hovering over a localized correction circle in the develop module the mask that is displayed to represent a correction area does not reflect the brush strokes that are subtracted from the mask, only additions. (Subtractive brush strokes are also currently treated as additions) This does not impact the actual corrected area of the image.
- *Brush strokes in the develop module that begin outside of the image area will not provide a circular point for visual reference to the correction area.*
- Help is not available for the Lightroom 2.0 public beta.
- Open in Photoshop CS3 as a smart object will not save the file back into Lightroom automatically
- Changing the capture time on a photo then exporting it as original will cause Windows Explorer to show the "Date Picture Taken" as the original photo's date and time plus the GMT offset of the computer, not the setting applied when editing the capture time.
- Catalog transfers are not fully supported in the beta release. The following items are not included in catalog transfers:
 - Keyword synonyms
 - Smart Collections
 - Develop settings on Windows
- HTML web gallery previews are not available in the Web module while using Lightroom 64-bit on Mac
- Attempting to import images from a compact flash card using Lightroom 64-bit on Windows Vista may initially show an error that no photos were found to import. Ignore this dialog and choose to import photos from device in Lightroom
- Renaming folders from within Lightroom may cause the folder to become temporarily unavailable. Relaunch Lightroom to correct the issue.
- Localized color tinting corrections will remain after an image is converted to grayscale in Lightroom

- Changing the amount value by click-dragging on a localized correction pin does not control the full amount range. Use the actual amount slider for this effect.
- Slideshow Export to PDF is currently not working
- Relocating 'missing' images in the Lightroom 2.0 beta does not have the previous ability to locate an entire folder of images after one image is located. Until this is corrected, use the Locate Missing Folder option.
- Page counts in the Print Module do not always accurately reflect the actual count.
- Using the Option/Alt key in conjunction with the bracket keys does not always scale the feather value.
- The overlay that displays the localized correction mask does not update to reflect subtractions from the mask.
- Printing large numbers of pages with Lightroom 64-bit on Vista can cause a '64-bit address' error to appear repeatedly.
- Edit in Photoshop may utilize the Camera Raw dialog's Workflow Settings for format, bit depth and color space instead of obeying the preferences set in Lightroom.
- A very small local correction brush may not align perfectly with the stroke application when zoomed in at 1:1.
- 'Swapping' photo positions in the compare view does not work properly
- Switching between a full screen and window mode more than once for the Secondary Display may cause errors with subsequent Lightroom commands for controlling the secondary display. Quit and relaunch Lightroom to correct the problem.
- Metadata Browser
 - Hierarchical date display in the metadata filter does not currently remember previous year or month expansion states.
 - The Metadata Filter preset may incorrectly display the current state as a Custom Filter.
 - Selecting the Filter Off preset does not currently allow a return to the previously active filter settings by selecting the Custom Filter item.
 - Filtering by color and metadata at the same time will sometimes include photos that don't match the selected color.
- Dates in the Smart Collection criteria must be entered in the format YYYY-MM-DD. Other formats are not supported yet.
- Date ranges in Smart Collections may not handle time zone issues correctly in all cases.
- The Keyword List does not currently handle drops (via drag-and-drop) of multiple-keywords correctly yet.
- Importing thousands of photos and organizing by date may cause memory errors to occur.
- Folders do not currently store filter information or output module settings on a per-folder basis as they did in Lightroom 1.
- Offline images may temporarily display the warning badge (exclamation point) instead of the missing badge.
- Renaming a folder may cause it to be temporarily displayed as missing in the folders panel.
- It's possible to get two secondary windows visible at once, one windowed and one full screen. The full screen window may cover up parts of the main Lightroom window, and it cannot be moved or closed. This will occur on the Mac if the second monitor is disconnected while it is in fullscreen mode. Restart Lightroom to correct the problem.
- The spacebar key does not currently toggle Live Loupe mode on the Mac contrary to the tooltip for Live Loupe.
- The "Lock to Secondary Window" shortcut causes the system "ding" sound to be played every time it is executed on Windows.

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 beta, aligns with Lightroom 1.4.1 and Camera Raw 4.4.1 which may not be available at the time of this release.)

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 30,000 pixels per side
- All video files, including those acquired by digital still cameras

New in Lightroom 2.0 beta

Library

Streamlined Organization and Workflow

Layout: The entire Library layout has been revisited to provide a more intuitive image organization experience. The left hand panel of the Library has been streamlined to include only the most relevant image sources: the folders the images are physically stored in and collections of images that the photographer creates.

Collections: The Collection panel has also received significant attention with the addition of collection sets that allow photographers to create a hierarchy while maintaining collection-specific sort order. (Hierarchical collections have been removed in order to support the new organization model and will be migrated appropriately from 1.0 to 2.0 libraries) There is also the ability to save output specific collections for Slideshow/Print/Web. This can be accomplished by creating a new collection item while in the specific output module. The subsequent icon in the collection panel will provide a quick reference and link to the images and output settings you created. Collections still maintain their auto-save capabilities when it comes to on-the-fly output creations that don't require a persistent entry in the Library. We look forward to your feedback in this area.

Smart Collections are now available. Specify the criteria for a smart collection and images will be automatically added to the collection if they meet the criteria. An expert user tip: Try alt/option clicking when adding a new search criterion.

Filter Bar: With the source location of the images clearly defined in the left hand panel, the top of the grid view provides a panel that will filter the content. Use the '\ ' key to hide or show the filter functionality and expand one section at a time to filter the content. Each category below can be toggled on or off by clicking on the name and multiple filter categories can be shift-selected to provide additional control.

Text: Search across your images using text search field

Refine: Filter your grid view by flags, star ratings, color labels and the type of file, Master or Virtual Copy. This functionality was previously located only in the right hand side of the filmstrip. It still remains in that location now labeled RF as a quick filter that can be used in any module.

Metadata: A wide range of metadata is now presented in easy to browse filter columns that can be added, removed and customized per your organization workflow. Choose the field to filter on by clicking on the column header and select the '+' button to add a column and the '-' button to remove a column. The column arrangement and selection can be stored as a preset that is defined in the upper right hand corner of the filter bar.

The **Keywording** pane has a new Keyword Set called "Suggested Keywords." Keywording is simplified through Lightroom's ability to suggest keywords for the current image based on existing keywords applied to that image as well as keywords applied to images that are close neighbors in terms of capture time. For example, if a number of images in a catalog contain the keywords dog and beach, an image assigned the keyword 'beach' will cause the suggested keyword panel to automatically update to show 'dog' as a suggested keyword.

Multiple Monitors: Lightroom 2.0 beta offers a dual monitor solution that can adjust to fit your particular monitor set up. The main Lightroom window that includes the Module picker can be positioned on either monitor and the following views can be provided on an additional monitor. To activate a multiple monitor environment, choose the monitor icon in the lower right hand side of Lightroom, just above the filmstrip. If a second monitor is not attached, a second window will appear on a single display.

- **Grid:** Place the grid on a secondary monitor for quick image selection while the develop module is displayed on the other monitor. Or use the grid to reorder images while creating slideshow, print or web output.
- **Loupe:** Allows an image at a preferred zoom level display on an alternate monitor.
 - In Normal mode, the image displayed on the alternate monitor is changed when the selection is changed in the primary Lightroom window.
 - Live mode is continually updated based on the image and area of an image the mouse is currently hovering or passing over. Zooming to a 1:1 view allows for quick focus checking across a number of images displayed in a grid view on the primary monitor.

- Locked mode fixes the image displayed on the alternate monitor until you wish to change the selection by selecting alt/option-Enter to make the current selection visible.
- Compare: Offers the same powerful compare functionality previously in the Library but can now be used to compare images while selections are made in the grid view in the Library or while adjustments are made in the Develop module.
- Survey: View multiple images at once while organizing or adjusting in another display.

Photoshop Integration: Lightroom can now open images directly in Photoshop without writing out TIFF or PSD files first. The previous 'write file to disk first' behavior was inefficient and the new behavior enables a faster a more functional workflow that includes:

- Open files in Photoshop as a **Smart Object**: Utilize the non-destructive smart object workflow by opening the image as a smart object directly into a Photoshop document.
- Select multiple images to merge as a **Panorama** utilizing Photoshop CS3's incredible new panorama functionality
- Merge multiple exposures into a single Photoshop **HDR** image
- Load multiple files or virtual copies into Photoshop as separate **layers** in a single document.
- **Important Note: This preview integration is only available with Photoshop CS3 (10.0.1) and should only be used for testing purposes. Metadata associated with the original file may not carry over to the subsequent file saved from Photoshop.** Also During the Lightroom 2.0 beta you will be presented with an explanation that Camera Raw on your computer is an earlier version than the Camera Raw code used by Lightroom. Choosing to 'Open Anyway' will utilize the new functionality but image adjustments in Lightroom that are not currently available in Camera Raw 4 will not be present in the images you open in Photoshop. Specifically, localized correction adjustments made in Lightroom will not be present in Photoshop. Choosing to Render Using Lightroom will revert to the previous behavior of writing the file to the disk before opening in Photoshop but all adjustments will be preserved. This behavior will be simplified for the final release of Lightroom 2.0.

Export Functionality: Managing and organizing exported images is much easier now with the following capabilities:

- Export files automatically to the same folder as the original or a subfolder of the original
- Add the exported images to the Lightroom catalog with the option of stacking the export file with the original
- Sharpen images on export for Print or Screen usage utilizing an adaptive algorithm that takes into account the intended use and resolution.
- Send exported images directly to another third party application selected in the export dialog

More notes on Library functionality:

- The 10k pixel limit has been lifted and now images with up to 30,000 pixels per side may be imported into Lightroom. This is particularly useful when utilizing the new Photoshop integration for panorama creation.

Develop Module

Localized Correction: The develop module now provides the ability to correct specific areas of an image without affecting other areas. A common example of this in traditional photography would be the dodge and burn experience in the darkroom. Lightroom provides brushes that a photographer can 'load' with different types of corrective techniques that were previously only available globally including exposure, brightness, clarity and saturation. Images can also be tinted locally using specific hue and saturation values that can provide an excellent way of counteracting mixed lighting environments.

The tools previously available in the toolbar have been relocated to the right hand panel just below the histogram. (Crop, Clone/Heal, Red Eye and the new local correction brush) Selecting a tool from the panel will reveal the options for that tool. Click on it again to hide those options and return to the standard develop panel. The controls available for the local correction brush are segmented into three basic areas: Mask, Paint and Brush. A quick walkthrough of the correction technique is below:

- On entering the local correction panel the brush will become active.

- The type of desired correction should be selected from the Paint section. A photographer can paint in a positive brightness effect for the shadows and a negative exposure effect for a bright sky.
- The brush size, feather and opacity can be set before applying the correction. An Auto Mask option is available to help confine the brush strokes and subsequent mask within an area of similar color. The airbrush option provides a diffused correction application relative to the standard painting mode.
- Once a brush stroke is applied, a circular point or pin will appear on the image where you first applied the brush stroke. Additional brush strokes can be applied that will add to the current correction area. To refine the area hold down the Alt or Option key to begin erasing with the brush.
- To adjust the amount applied to the entire area click down on the circular marker or pin and move the cursor to the left or the right to decrease or increase the amount setting. (There is currently a known issue regarding limited range of using a click-drag technique directly on the pin. Use the amount slider in the right hand panel for full control.)
- To refine the correction settings, click on the pin and detailed adjustments are available in the right panel and will be applied to the selected pin.
- Create a new correction mask or brush stroke by selecting the New option.
- The pins can be hidden or shown with the H shortcut key.
- Use one of the tint presets provided to apply a color tint or use the Lightroom color selection dialog by double-clicking on the rectangle to the right of the presets. Change a preset by selecting a color in the dialog then click-and-hold on the preset box to be populated by that selection.
- There are two brush presets represented by A and B in the brush section. After modification of the brush controls, a preset can be updated by clicking and holding on the specific preset letter to be associated with the settings.

As always we're looking forward to hearing your feedback on this functionality.

Vignette: The previous lens correction vignette effect was only applied to the entire image frame and as an artistic effect could be obscured after an image was cropped. An additional framing vignette effect has been added that will apply a vignette to an image, respecting the cropped borders.

Basic Panel Keyboard Shortcuts: Photographers who prefer to utilize their keyboards for basic image adjustments will find that the +/- keys are linked to the Exposure adjustment in the Develop module. Adding the Shift key will boost the increment amount, the comma and period keys will cycle through the basic panel controls and the semi-colon will reset the control currently in focus.

Improved Auto Adjustment: The Auto adjustment has been modified in response to feedback that previous adjustments were too bright. Please provide feedback on this enhancement.

Print Module

Picture Package: The print module now provides the ability to create multi-page layouts for a single image arranged in multiple sizes. This allows photographers to quickly and easily print a package of images quickly and easily.

- Choose Picture Package from the Layout Engine in the top right corner of the print module and a blank page will be presented.
- In the Cells panel click on one of the preset size to add an image cell to the page or use the drop down option to edit and create your own custom size. Cells can be added to the page until the page is filled and a new page will be added to the layout automatically. Up to six pages can be included in a layout.
- After all of the required cells have been added, choose Auto Layout to automatically create an efficient, easy to cut print layout or manually move the cells to your liking.
- To move a cell, click on the image and move the cell to the desired location. To delete an image cell, click on the image and choose delete. A page can be deleted by mousing over the page and clicking on the 'X' in the red circle.
- When an image aspect ratio is much different than the cell aspect ratio, the image can be moved within the cell by holding the CMD/CTRL key down and clicking on the image and dragging it.

Print to JPEG: Many photographers have asked for the ability to send their Lightroom print layouts directly to a lab that will print JPEG files. Choose JPEG as the option in the Print Job dialog to specify your print output as a JPEG file for lab delivery. (Select a custom ICC profile for your lab in the color management area)

Print Sharpening: Lightroom previously provided three levels of print sharpening. Impressive new algorithms have been added to automatically determine the correct amount of print sharpening required based on the output media and resolution of the file.

Working with Lightroom 2.0 beta 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. During Lightroom 2.0 beta, we're using advanced image processing technology that is not currently available in the Camera Raw 4 plug-in. You will find that Lightroom 2.0 beta will process images identically with the exception of the new localized correction tools. Those corrections will be ignored in the Camera Raw plug-in. This should serve as a reminder that the model for storing and representing those corrections is not complete and may change for the final version of Lightroom 2.0, changing the visual representation of your image. To achieve the highest level of compatibility available with the Lightroom 2.0 beta, the Camera Raw plug-in should be updated to version 4.4.1 when available.

Other Resources

Please join the discussion at <http://labs.adobe.com/technologies/lightroom/> to find and share information on the Lightroom 2.0 beta. As always, don't forget the fifth rule.

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