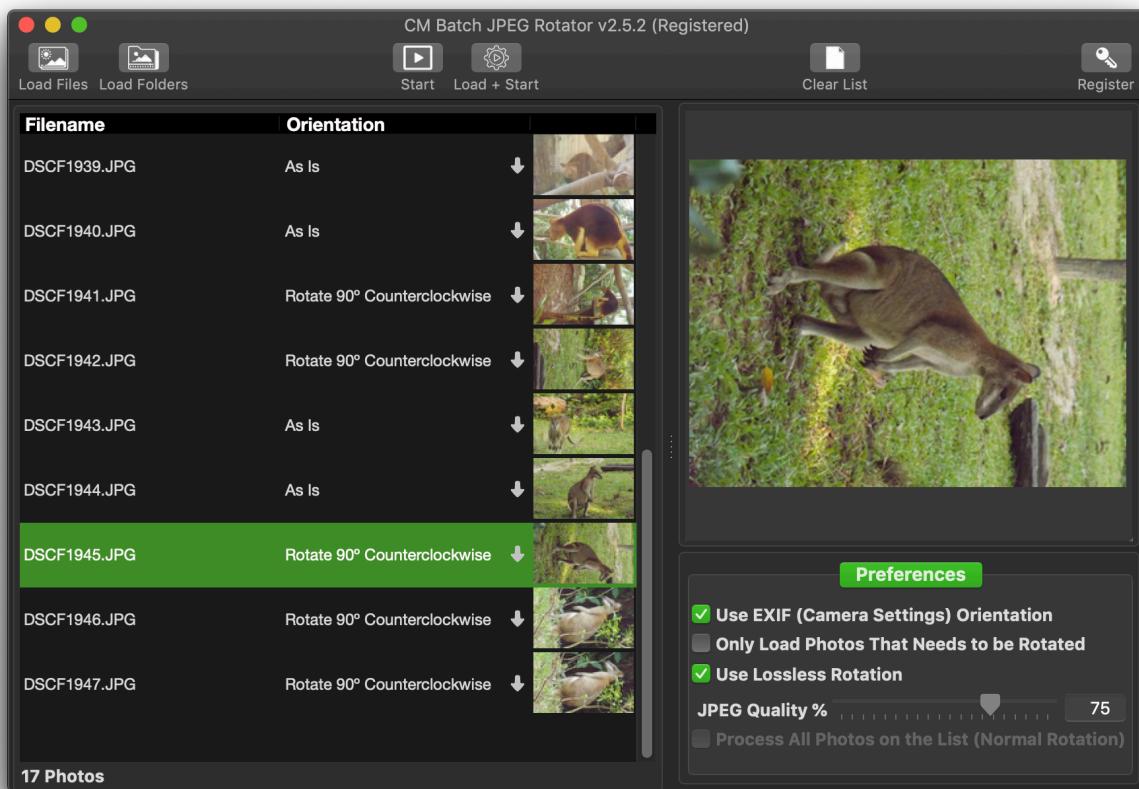


CM Batch JPEG Rotator

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Introduction



With digital cameras and smart phones such as the iPhone and the iPad, we are given the freedom to capture memories anywhere and everywhere. These devices are equipped with image stabilisation so we can take photos without a tripod and that gives us the flexibility to take both landscape and portrait photos as and where that seems fit.

On the technical front, modern cameras and smart phones come equipped with orientation sensors so it knows when you are taking portrait or landscape photos. On the Apple devices such as the iPhones, iPads and Macs, viewing these photos are automatically rotated to the right orientation. As they can read the orientation information in the EXIF headers embedded in the JPEG file to know how to rotate the photos so they always look nice and proper each time.

The photos are not physically oriented in the camera but when they are taken the orientation settings is being sourced in it.

However, have you ever uploaded the photos to your website particularly those in the portrait mode and find that they just don't show up correctly ? Or send them to your friends who are using the other operating system and facing the same issue ?

Conventional Imaging Software can help you rotate those photos but the issue with JPEG is that it uses the lossy compression which drop image quality to reduce the file size. The more times you manipulate the jpeg file, the more the quality will drop. That's why when you do a conventional rotation and save the photos, the file size is different.

CM Batch JPEG Rotator

That's where CM Batch JPEG Rotator comes to the rescue. CM Batch JPEG Rotator not only can read the orientation settings in the EXIF header to determine how to rotate the photos, it also comes with the ability to perform lossless rotation.

Lossless Rotation is a technique much like moving a jigsaw piece by piece into a new orientation. No details are lost while doing so. Your high quality photos will be as sharp as they should be. There is a lot of work in the background but CM Batch JPEG Rotator can do it in a matter of seconds.

It also supports the conventional rotation method if you want to reduce file size as it comes with the settings to change JPEG Quality percentage.

CM Batch JPEG Rotator works on macOS 11 Big Sur and above. Intel and Apple Silicon Native Support.

Pricing and Licensing

CM Batch JPEG Rotator is being offered on both the Mac AppStore and through 2Checkout with our 14 Days Free Trial Version. The Trial Version would process the first 20 JPEG on the List while the license version does not have such restriction.

CM Batch JPEG Rotator can be purchased from our fulfillment agent, 2Checkout.

CREEM.IO (U\$4.99)

https://www.creem.io/payment/prod_1jCSpu03SAauOg0x9Qb7q4

Upon purchasing a license from CREEM.IO we will email you the license file within 24 hours. Once you receive the license file, launch the app. In the App, bring up the Register Window.

Click on Select License File and select the downloaded license file. That's basically all.

Application Description

Let's run through the different parts of the application.

On the top, we have the toolbar and below that on the left is the file listing and to the right is the image preview and below that is the preferences.

Toolbar



There are 5 buttons on the tool bar which we will run through

LOAD FOLDER

- This let you pick a folder of photos to load from. You will be prompted if you want to include sub folders to in the search. The sub folder inclusion will save you from picking each sub folder at each time to process.

LOAD FILES

- The Load Files button will let you pick one or a number of files from a single folder.

START

- This will begin the batch rotation process.

LOAD + START

- This is a combination of the Load Folder and Start options. It provides you with almost a one step process.

CLEAR LIST

- Clears the File Listing

REGISTER

- This will bring up the Registration Window where you can purchase or license this copy of CM Batch JPEG Rotator

File Listing

DSCF1635.JPG	Rotate 90° Counterclockwise	↓
DSCF1636.JPG	Rotate 90° Counterclockwise	↓
DSCF1637.JPG	Rotate 90° Counterclockwise	↓
DSCF1638.JPG	Rotate 90° Counterclockwise	↓
DSCF1639.JPG	Rotate 90° Counterclockwise	↓
DSCF1640.JPG	Rotate 90° Counterclockwise	↓
DSCF1641.JPG	Rotate 90° Counterclockwise	↓
DSCF1642.JPG	As Is	↓
DSCF1643.JPG	As Is	↓
DSCF1644.JPG	As Is	↓
DSCF1645.JPG	As Is	↓
DSCF1646.JPG	As Is	↓
DSCF1647.JPG	As Is	↓

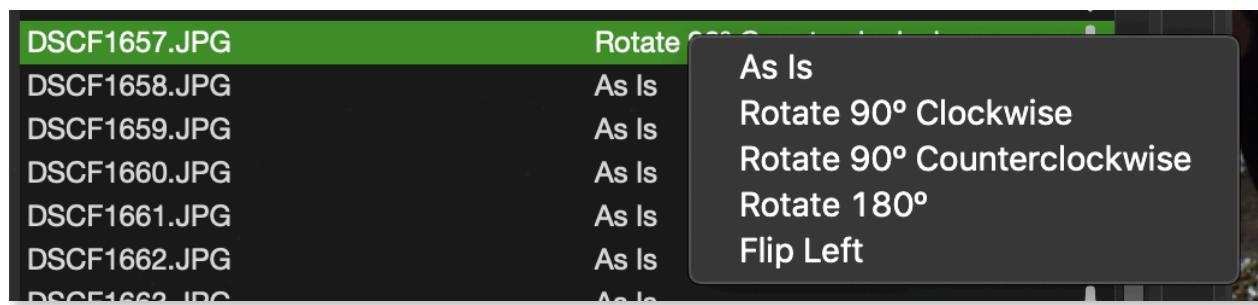
After you added the photos either by Dragging and Dropping them, using the Load Files, Load Folders or Load + Start options, it will be added to the file listing.

When the Use EXIF (Camera Settings) Orientation is checked in Preferences, it will determine the orientation needed for the photos and list them in the Orientation column.

To preview the photos in its original orientation, click on the filename of the respective photo and it will appear in the Image Preview on the right.

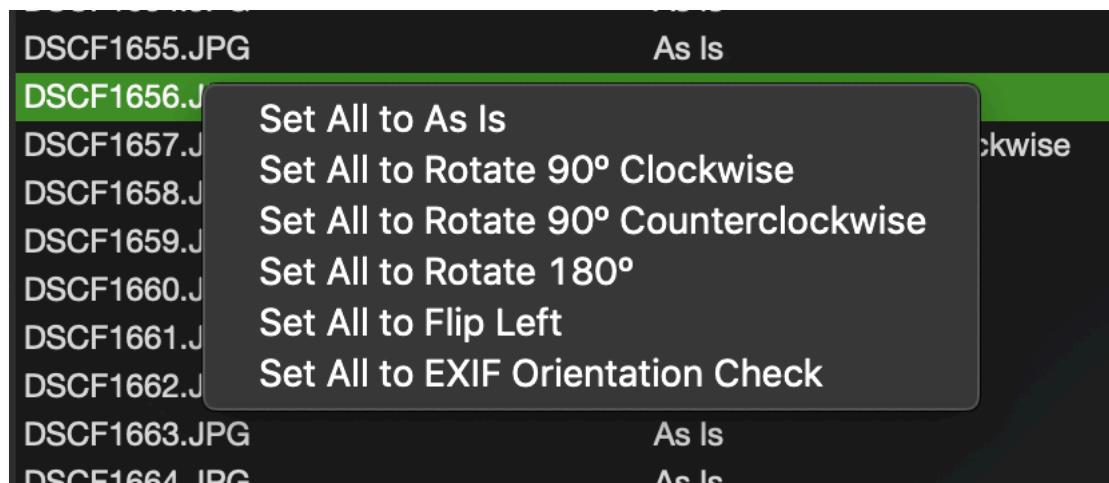
You can change either one or all the photos' orientation.

CHANGING INDIVIDUAL PHOTO ORIENTATION



Click on the Orientation column for the photos and you will get a drop down menu of the various supported orientation.

CHANGING ALL THE PHOTOS ORIENTATION

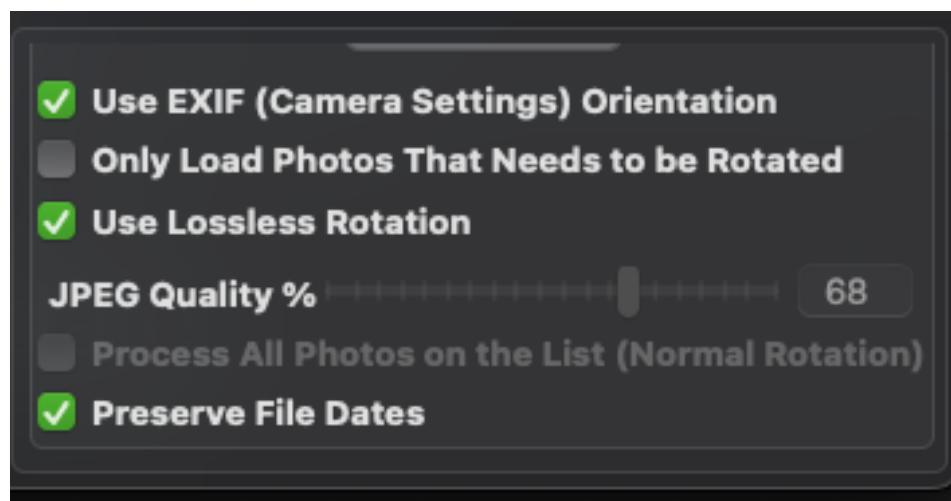


Changing all the photos orientation is also easy, just bring up the contextual menu. On the keyboard, you can do a Control + click on the touchpad or if you have a mouse then do a right most mouse button click.

All the options for the individual and all photos orientation are similar except in the Changing All menu, there is the additional **Set All to EXIF Orientation Check**, this will have CM Batch JPEG Rotator evaluate all the photos' EXIF header to determine the orientation to be used. It's a good way to resetting any manual changes made.

As Is basically takes the application not to rotate the photos. **Flip Left** does a mirror image of the photos.

Preferences



USE EXIF (CAMERA SETTINGS) ORIENTATION

If all your photos comes from a smart phone, tablet or digital camera, it is advisable to keep this option checked. When doing so, you do not need to check each photo to determine how they should be rotated.

CM Batch JPEG Rotator

Of course, if you plan to rotate them all in one orientation or the photos do not have EXIF headers such as scanned photos then to speed up the process, uncheck this option. Keeping it on will take up a couple of seconds longer.

ONLY LOAD PHOTOS THAT NEEDS TO BE ROTATED

If the Use EXIF (Camera Settings) Orientation is unchecked then this option will be disabled and all the photos will be loaded to the list.

However when the Use EXIF (Camera Settings) Orientation is checked then photos which needs to be rotated will only be loaded. So if you see nothing being added to the list, it's probably nothing need to be processed.

This option is useful in reducing the list to only photos that need to be worked on.

USE LOSSLESS ROTATION

The magic of CM Batch JPEG Rotator is the ability to retain image quality while performing image rotation. This method is called Lossless Rotation.

With this option checked, you will be assured that the photo quality will be retained and will be as sharp and clear as the original. The file size will be more or less the same as the original.

With this option checked, the JPEG Quality and Process All Photos on the List will be disabled. Only Photos with Orientation that are not As Is will be worked on.

If you however want to reduce the file size, uncheck this option.

JPEG QUALITY

The JPEG Quality option lets you set the JPEG Quality in Percentage when the Use Lossless Rotation is unchecked.

To reduce the physical file size, set it to a lower quality by dragging the slider. Note, the photo dimension will still be the same as the original.

PROCESS ALL PHOTOS ON THE LIST (NORMAL ROTATION)

This option will be enabled only if the Use Lossless Rotation is unchecked. This option is useful if you plan to reduce all the physical file size of all the photos on the list. This only works for Normal Rotation.

PRESERVE FILE DATES

By default when the images are rotated the creation and modification dates reflects the current date and time. When this option is checked, the original dates would be preserved.

Final Thoughts

- All photos will be processed in place which means that you do not need to set where to save the rotated photos as the original files will be replaced with the rotation.
- You can add photos to the list by using the Load Files, Load Folders, Load + Start or by dragging and dropping the filenames into the File Listing
- When not using the Lossless Rotation, do not set the JPEG Quality to below 70 as anything less will greatly degrade the image quality
- If possible, use the Lossless Rotation option to ensure highest image quality

Contact Us

If you require additional support, do feel free to contact us at support@completemagic.com