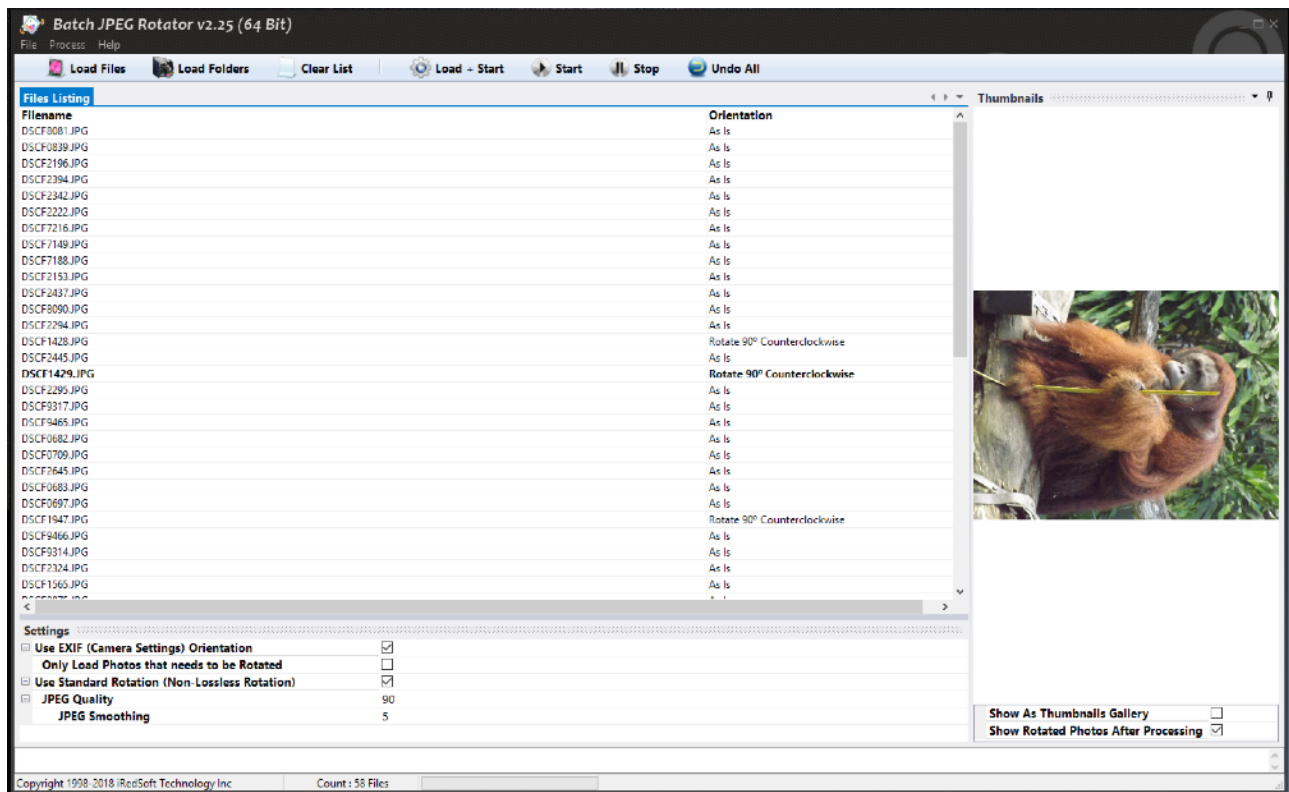


# **Batch JPEG Rotator 2**

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# Introduction



Batch JPEG Rotator is an application which allows you to batch rotate JPEG images without losing image quality.

JPEG is a popular image format which is widely used in digital photography. One main reason why it is popular is because of its smaller storage footprint. The way that is achieved is through a lossy compression algorithm which tries to use as little disk space as possible. However on the flip side, if a JPEG image is being edited and saved several times over, the loss of quality would be obvious.

What we did with Batch JPEG Rotator is to employ a lossless technology to rotate JPEG files without the risk of losing image quality. This will safeguard your precious photo memories. It also allows you to toggle between the lossless rotation or the standard lossy compression if you want to reduce the file size even further.

Modern digital cameras now come with a tilt sensor which can distinguish a portrait photo from a landscape one and this detail is recorded in the EXIF Header of each of the JPEG Photos taken from the digital camera. Batch JPEG Rotator is capable of reading this EXIF details to determine how each photo should be rotated. This will save you a lot of time just setting the orientation of each of the photos. You could however change each photo orientation manually if you want something different or when the camera does not have a tilt sensor.

# What's New in Batch JPEG Rotator 2

Batch JPEG Rotator v1 was released in early 2008 and we have enhanced it over the years with optimization under the hood. However, we were not fully satisfied with its performance in this modern times and decided it was a good idea to revamp the entire imaging engine so that it works much faster and offer you more controls. At the same time, Batch JPEG Rotator v2 comes with a new modern interface which supports the latest Windows 8.

Here are the list of some of the major changes in Batch JPEG Rotator 2

- Batch JPEG Rotator 2 now comes in both 32 Bit and 64 Bit versions. The 64 Bit Version works with both Windows 7 64 Bit and Windows 8 64 Bit and is capable of addressing more memory thus speeding up the JPEG Rotation process.
- Apart from the traditional loading of Photos via the Thumbnail Gallery, Batch JPEG Rotator 2 now allows you to speed up the process by loading up the list of JPEG in the grid table.
- Batch JPEG Rotator 2 offers option to only load JPEG Photos which needs to be rotated. This would substantially reduce the time taken to load up the list or the thumbnail gallery if all you need is to fix the orientation of the portrait photos.
- Improved Undo Option. By default, Batch JPEG Rotator 2 would now make a backup of the original JPEG prior to rotating them which could be restored if you undo the batch rotation.
- Batch JPEG Rotator 2 now comes with a choice to use the default JPEG Lossless Orientation or the Lossy Orientation which would allow you to reduce the file size further by changing the JPEG Quality.

# System Requirements

## Operating System

32 Bit Edition - Windows 10 (32 Bit & 64 Bit), Windows Vista, Windows 7 (32 Bit & 64 Bit), Windows 8 (32 Bit & 64 Bit)

64 Bit Edition - Windows 10 (64 Bit), Windows Vista (64 Bit), Windows 7 (64 Bit) and Windows 8 (64 Bit)

\* The 32 Bit Edition would work on all supported 32 Bit or 64 Bit Windows Operating System but the 64 Bit Edition will only work on a 64 Bit Windows Operating System.

## Computer Configuration

Any Intel or AMD Based Desktop, Laptop or Tablet with at least 1 gigabyte RAM and 1 gigabyte Free Storage Space.

Batch JPEG Rotator 2 will not work on computers or tablets running Windows RT.

# Version History

- v2.0 - New Release
- v2.01 - Fixed Bug which causes the File Center to show artifact when scrolling the list after selecting a row.
- v2.02 - Updated Imaging Engine
- v2.10 - Updated Imaging Engine  
- Updated User Interface  
- Fixed Bug which causes images not to rotate under unusual circumstances
- v2.11 - Improved Memory Management  
- Added Delete Function
- v2.12 - New Code Sign Certificate
- v2.14 - Improved Support for the Toolbar Images which may degrade over time
- v2.15 - Fixed a memory leak caused by the Open File Dialog
- v2.16 - Fixed Hard Crash when performing lossless rotation using Rotate 90° Clockwise and Rotate 90° Counterclockwise . This only affects the Windows Store version
- v2.17 - Updated Imaging Engine
- v2.18 - Support Multiple Selection  
- Support CTRL-A Select All in the File Listing  
- Increase Font Intensity of the buttons so that its more visible  
- Include Hints of each button  
- Remove the Do Not Make Temporary Copy option which was a stop gap feature
- v2.19 - Fixed bug caused by the latest Windows Update which causes the app not to launch
- v2.20 - Improve the Loading Performance  
- Realign columns when resizing  
- Fixed issues when drag and drop adds unsupported files
- v2.21 - Internal Updates  
- Fixed issue with Missing File Listing's Scrollbar  
- When using Load Files, the list doesn't fully load up

## Batch JPEG Rotator 2

- v2.22
  - Increase File Listing's Font Size
  - Fixed the lag when Maximizing the app
- v2.23
  - Fixed a resized bug which hide part of the Help and About button
- v2.24
  - Supports Single Click and Arrow Up and Down to Navigate between the images on the list
- v2.25
  - Updated User Interface with a smaller Toolbar

# Licensing Information

Batch JPEG Rotator 2 is offered as a “Try-Before-You-Buy” application which permits you to try this application risk-free for a 14 days period to determine if this application meets your needs before purchasing a license.

We understand that it is easy to oversell on the features of an application but after purchasing it, you find that the application is not what is made up to be. We did not feel that is the right approach to selling an application. What we wanted to do is to be able to provide a solution to meet your needs.

Moreover, there are a number of Windows Operating System versions used by millions of computers running on different configuration which bring about the possibility that our application may not be optimized or function as it should on a small percentage of these computers. Allowing you to test run our application would isolate this situation before you part with your hard-earned money.

Once you are satisfied with the trial version, you may proceed to purchasing a license to this application through the order link hosted on our website at <https://www.batchimage.com/registration>

The Standard Retail Price of Batch JPEG Rotator v2 is US\$11.95 . The Plimus.com order link provides you to order via several methods including secured credit card, paypal and direct bank transfer. It may translate the prices to your currency for your convenience.

Upon purchasing a license through Plimus.com , you would receive an email which includes your registration details within an hour of a successful purchase. If you do not receive the email, please check your spam folder as it may have ended there. If it is not available, please contact us at [sales@batchimage.com](mailto:sales@batchimage.com) with the information you used to register (excluding the credit card details).

Our license is based on a named user which means that it is to be exclusively used by the named user. You may install this application and apply the registration keys on up to 3 computers provided that you are the exclusive user. You would be required to purchase additional licenses if this application is used by more than one person.

The license key grants you to right to use either the 32 bit or 64 bit version of this application or both.

You will be entitled to all minor v2.x updates. This will contain feature updates and/or bug fixes. You will be entitled to a discount to any major upgrades.

Do check our website regularly for any updates. All you need to do is to download the latest version and install it over your current installation.



# Contact Information

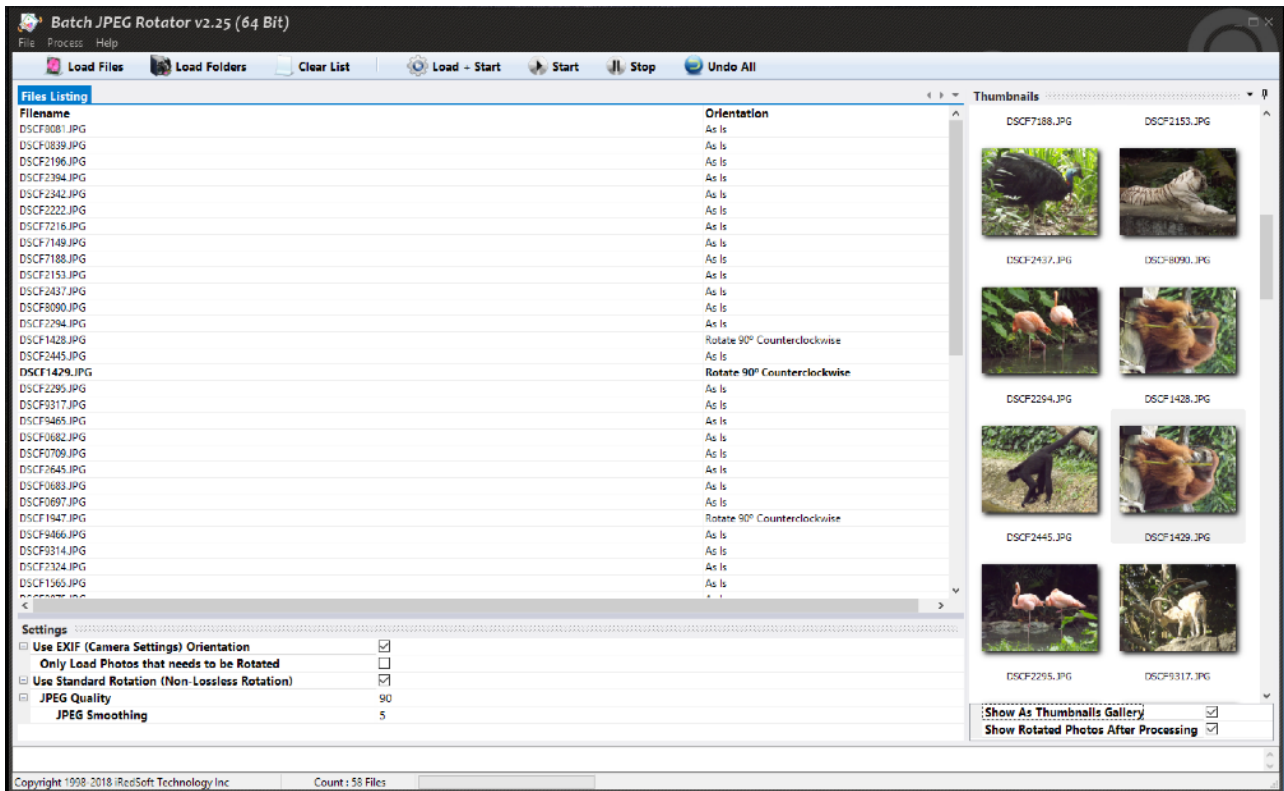
We value your comments, suggestions, bug reports as that would enable us to enhance and improve our application. Our goal would be to develop the best fit application to simplify your task. We will respond within 24 hours (normally less).

For all technical support, please contact us at [support@batchimage.com](mailto:support@batchimage.com) .

For all sales support, please contact us at [sales@batchimage.com](mailto:sales@batchimage.com) .

As we do offer several applications for sales on both the Windows and Mac platform, to allow us to assist you, please do provide as much information as possible and do include the application name and version.

# Application Description



Batch JPEG Rotator 2 comes in both a 32 Bit and a 64 Bit version. Both versions are identical in all respect as far as how the application looks and behave. The 64 Bit version however would be able to address more than 64 gigabytes of RAM and thus would be able to handle large images faster.

Batch JPEG Rotator 2 does not come with a menu bar but replaces it with “Fat Finger” buttons which is Windows 8 Tablet Touch Friendly. Batch JPEG Rotator 2 would feel at home on with a mouse and keyboard.

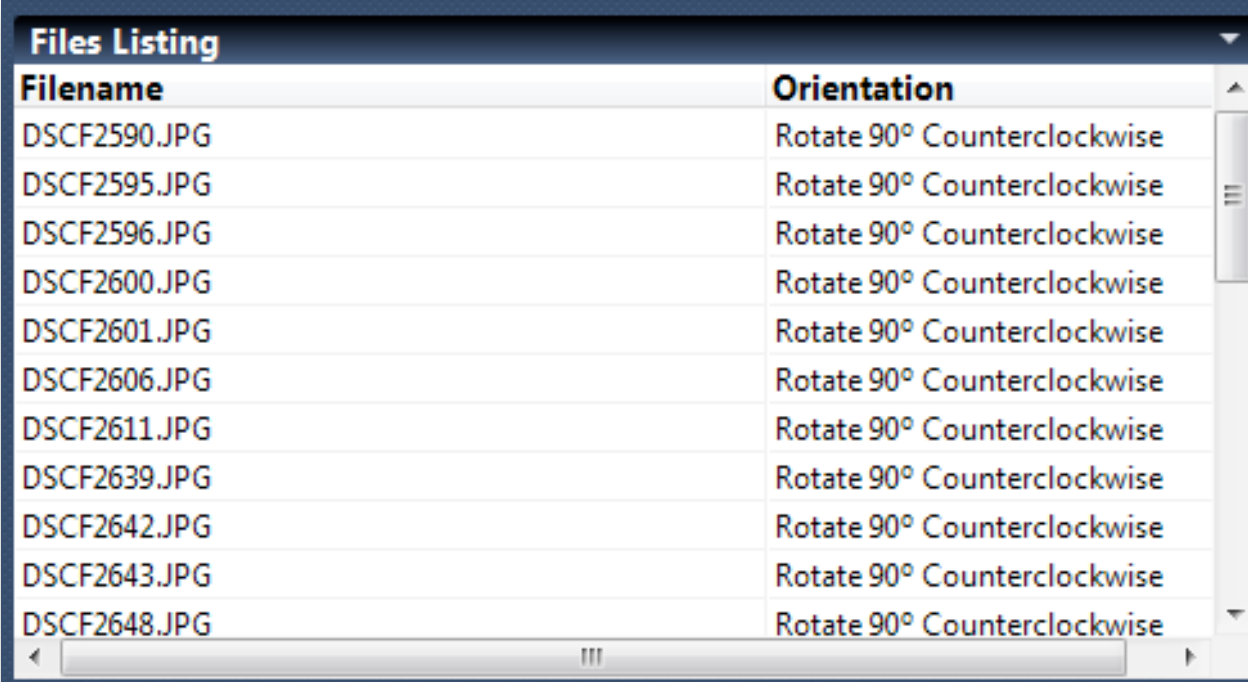
There are 4 main components of the interface which includes the Buttons Panel, the Files Listing, the Settings and the Thumbnails. Apart from the Buttons Panel, all the other panels are dock-able and resizable which allows you to undock them and arrange them as how you like them. You can have them in their own individual Windows too.

## ToolBar



- **Load Files** - This button allows you to load JPEG Photos into the File Listing. You can pick one or more photos to be included.
- **Load Folder** - This allows you to select a folder in which to load the JPEG Photos from. You will be prompted if you want to include any JPEG Photos from the subfolders too.
- **Load + Start** - This combines the Load Folder and Start operations together in a few quick steps. When this option is used, Batch JPEG Rotator would check the EXIF Header of each JPEG Photos it finds to determine if it needs to be rotated. It will only load those photos to the list to be process.
- **Clear List** - This will clear the File Listing, Thumbnails and backup originals JPEG Photos.
- **Start** - This will begin the Batch JPEG Rotation process. The JPEG Photos would be rotated and replace the original files. Images with the “As Is” as its Orientation would not be processed and would be skipped over.
- **Stop** - This will allow you to stop the Batch JPEG Rotation process.
- **Undo All** - With the “Do Not Make Temporary Copy Before Rotation” unchecked, Batch JPEG Rotator 2 would make a copy of original JPEG Photos and when you perform an Undo All, the application will restore those original files to the original location. However, if the “Do Not Make Temporary Copy Before Rotation” is checked, the original files are not backup and the rotated JPEG would be rotated to its original orientation.

## Files Listing



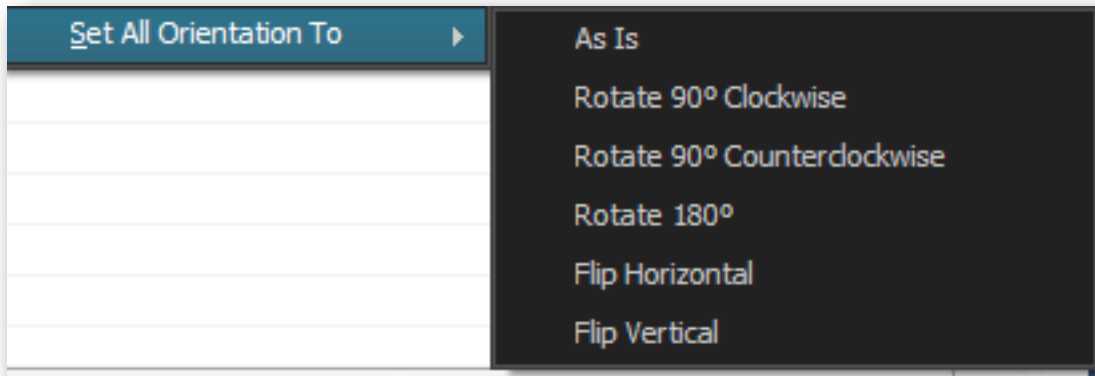
Filename	Orientation
DSCF2590.JPG	Rotate 90° Counterclockwise
DSCF2595.JPG	Rotate 90° Counterclockwise
DSCF2596.JPG	Rotate 90° Counterclockwise
DSCF2600.JPG	Rotate 90° Counterclockwise
DSCF2601.JPG	Rotate 90° Counterclockwise
DSCF2606.JPG	Rotate 90° Counterclockwise
DSCF2611.JPG	Rotate 90° Counterclockwise
DSCF2639.JPG	Rotate 90° Counterclockwise
DSCF2642.JPG	Rotate 90° Counterclockwise
DSCF2643.JPG	Rotate 90° Counterclockwise
DSCF2648.JPG	Rotate 90° Counterclockwise

The Files Listing contains the list of JPEG Photos that would be rotated. It would allow you to change the orientation of the JPEG Photos either All or Individually.

There are several things you can do with the Files Listing

- **Drag and Drop.** The Files Listing offers an additional ways of importing JPEG images to the list. You could select a list of JPEG Images from the Windows Explorer or any listing of files and folders and it will include the valid images to the files listing.
- **Preview Image.** Double Clicking on the JPEG Photo Filename when “Show As Thumbnails Gallery” is unchecked, would bring up a thumbnail of the photo.
- **Setting Selected Orientation.** When selecting one or more photos on the list, this option lets you set the orientation for those selected photos.

- **Setting All Orientation.** Bringing up the Pop-up Contextual Menu (Right-Mouse Click on the Files Listing) would allow you to change all the photos orientation.



- **Delete.** This option allows you to remove the selected photo from the list

## Settings Panel

Settings	
<input checked="" type="checkbox"/> Use EXIF (Camera Settings) Orientation	<input checked="" type="checkbox"/>
Only Load Photos that needs to be Rotated	<input checked="" type="checkbox"/>
<input type="checkbox"/> Use Standard Rotation (Non-Lossless Rotation)	<input type="checkbox"/>
<input type="checkbox"/> JPEG Quality	100
JPEG Smoothing	0
<input type="checkbox"/> Do Not Make Temporary Copy Before Rotation	<input type="checkbox"/>

The Settings Panel allows you to configure how you want Batch JPEG Rotator 2 to behave.

- **Use EXIF (Camera Settings) Orientation** - When this is checked, Batch JPEG Rotator would evaluate the Orientation Settings in the EXIF Header of each JPEG Photo which has been embedded by the Digital Camera. If no EXIF Orientation is found, Batch JPEG Rotator would set the orientation as “As Is”.

When this is unchecked, the EXIF Header would not be evaluated and all images orientation would be set to “As Is”. As such, the “Only Load Photos that needs to be Rotated” would also be unchecked by default.

- **Only Load Photos that needs to be Rotated** - When this is checked, only JPEG Photos which requires rotation would be added to the list. This option would only work when “Use EXIF (Camera Settings) Orientation” is checked and there is EXIF Orientation information is found in the EXIF Header.

If the JPEG Photos that you loaded requires rotation but are not loaded by Batch JPEG Rotator, it would mean that the EXIF Orientation information is not embedded by the Digital Camera or that the photos are taken from an imaging device which does not come with a tilt sensor. In which case, you would need to uncheck this option and set the orientation of each photos manually. The better option would be to view all those photos in Windows Explorer and drag those photos which you need rotated to the Files Listing and set All the Orientation to what is needed.

- **Use Standard Rotation (Non-Lossless Rotation)** - By default, this option is unchecked and Batch JPEG Rotator would use the Lossless Rotation Technology to rotate the images without any quality loss. However, if you require a reduction in file size, you could check this option and set the JPEG Quality and JPEG Smoothing.
- **JPEG Quality** - This option is only use when “Use Standard Rotation (Non-Lossless Rotation)” is checked. The option is based on JPEG Quality Percentage (%). The higher the quality, the larger the file size. When the JPEG Photo is opened for editing, it would be compressed upon saving and would not retain its original quality. Batch JPEG Rotator would uncompress the JPEG Photos into 24 Bit Bitmap while performing the orientation and saved them into new JPEG Photos retaining all the existing EXIF headers using the JPEG Quality and Smoothing.

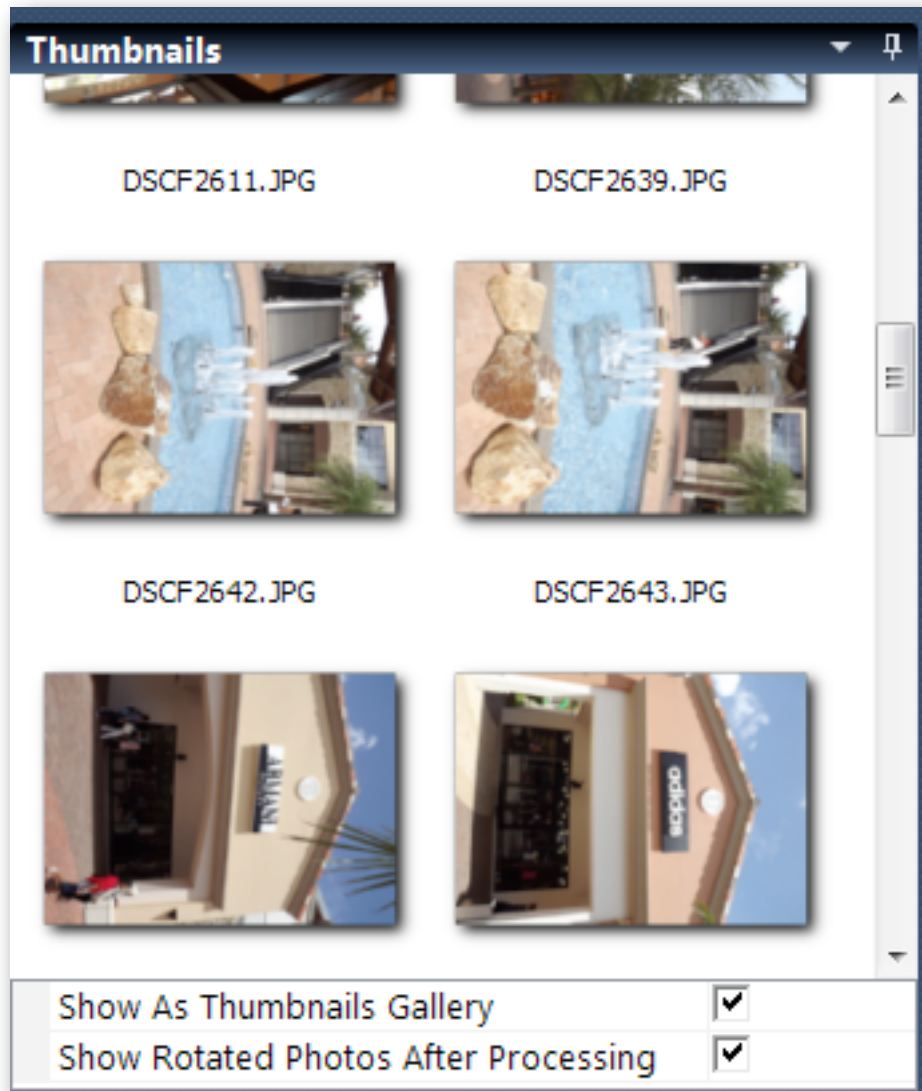
When setting the JPEG Quality to 100, Batch JPEG Rotator 2 would estimate the JPEG Quality used with the Original JPEG Photo.

- **JPEG Smoothing** - This option is only use when “Use Standard Rotation (Non-Lossless Rotation” is checked. Visual Artifacts are visible when the JPEG Quality is set low. To counter that, setting the JPEG Smoothing would smooth out the jagged edges. However by setting the JPEG Smoothing high would blur the picture.
- **Do Not Make Temporary Copy Before Rotation** - \*This option has been removed. No temporary copies are now necessary.

## Thumbnails Panel

There are two views which you can get on the Thumbnails Panel, the Thumbnails Gallery and the Single Picture View.

### Show As Thumbnails Gallery

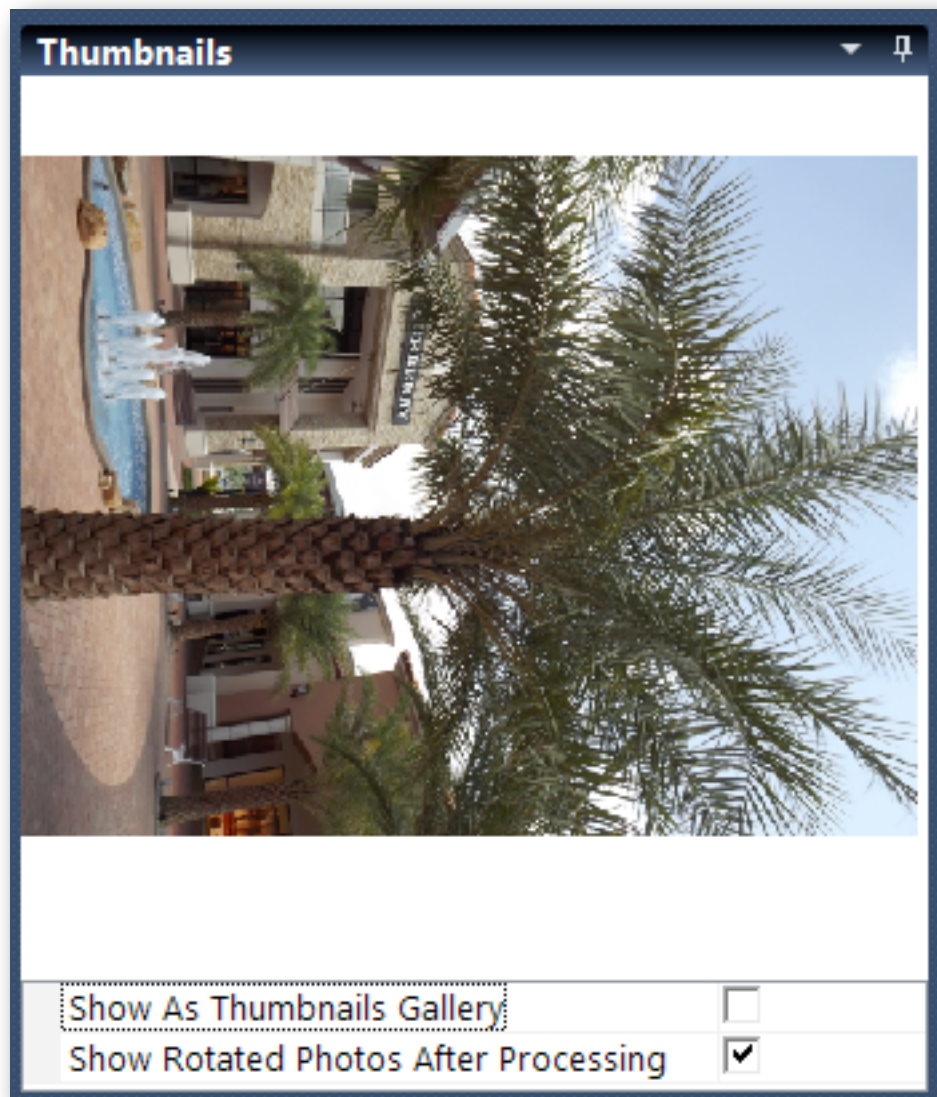


### Thumbnail Gallery View

When the “Show As Thumbnails Gallery” option is checked, the Thumbnail Gallery View would be shown. All the JPEG Photos on the list would be loaded into the Thumbnails Panel. Unchecking it would clear the Gallery.

In the Thumbnail Gallery View mode, you can change the Orientation Setting for the JPEG Photo which you select by bringing up the Contextual Pop-up Menu (by doing a Right-Mouse Click) and setting the orientation you want for that photo.





### **Single Picture View**

When the “Show As Thumbnails Gallery” is unchecked, the Thumbnail Gallery switched to the Single Picture View. Which you uncheck this option, the view would clear.

To preview each of the photo, double-click on its filename in the Files Listing Panel.

### **Show Rotated Photos After Processing**

When this option is checked, the rotated photos would show up in the Thumbnails Panel after it has been rotated. This will allow you to review the rotated photos.

# Basic How To

- 1. Loading Photos to the List** - There are three ways in which you can get your photos to the list, either by using the Load Files (for 1 or more photos), Load Folders (to load an entire folder of photos) or by Dragging and Dropping photos from Windows Explorer. If your photos have the EXIF Orientation embedded in the photos itself, you can check the “Use EXIF (Camera Settings) Orientation” prior to loading the photos and let Batch JPEG Rotator set the correct orientation for you.
- 2. Setting the Orientation** - If Batch JPEG Rotator already set the orientation for you, you can skip this step. Otherwise, you can select the orientation for one or all of the photos.
- 3. Begin the Rotation Process** - Click on the “Start” and let Batch JPEG Rotator do its job.