



# CM ComboTIFF

# Table of Contents

<b>Introduction</b>	<b>3</b>
<i>System Requirements</i>	3
<b>Program Windows</b>	<b>4</b>
<b>Main Window</b>	<b>4</b>
<i>Application Toolbar</i>	4
<i>File Listing</i>	6
<i>Saving Settings</i>	6
<i>Image Preview Screen</i>	6
<i>Status Window</i>	6
<b>Settings Window</b>	<b>7</b>
<i>Image Settings</i>	7
<b>How To</b>	<b>11</b>
<i>Step by Step</i>	11
<i>Merging Images to a Single Multipage TIFF</i>	11
<i>Splitting MultiTIFF File to Single File Format</i>	12
<b>Things to Note</b>	<b>13</b>
<b>Version History</b>	<b>14</b>

# Introduction

First, I would like to thank you for purchasing CM ComboTIFF. I hope that it would serve you well into the foreseeable future.

CM ComboTIFF is Batch TIFF Tool which allows you to either combine image files together into a single Multi-Page TIFF or spilt a Multi-Page TIFF into single page images such as TIFF, JPG or PNG.

You can use CM ComboTIFF to merge all relevant document files into a single Multi-Page TIFF file so that you do not need to worry about where the documents are. Extract them as and when you need the individual files. If you are using the Mac OS X platform, you can use the built-in Preview App to view all pages and select which you want to print, extract or even export as a PDF file.

CM ComboTIFF comes with an easy to use interface while still offering you some leeway in adjusting the settings to your needs.

We are happy to note that CM ComboTIFF is available on the Mac OS X Platform. For Windows, try our Batch TIFF Resizer which is available on <http://www.batchimage.com>

As always, drop us an email at [support@batchimage.com](mailto:support@batchimage.com) or [support@completemagic.com](mailto:support@completemagic.com) if you discover any bugs or have any suggestions on how to improve CM ComboTIFF. We would certainly love to hear from you.

## System Requirements

For the Mac OS X

- Intel Based Mac running Mac OS X 10.6.6 and above
- 20mb Harddisk Space Free
- 1gb RAM

# Program Windows

Here are some of the application screens which you would be working with.

## Main Window

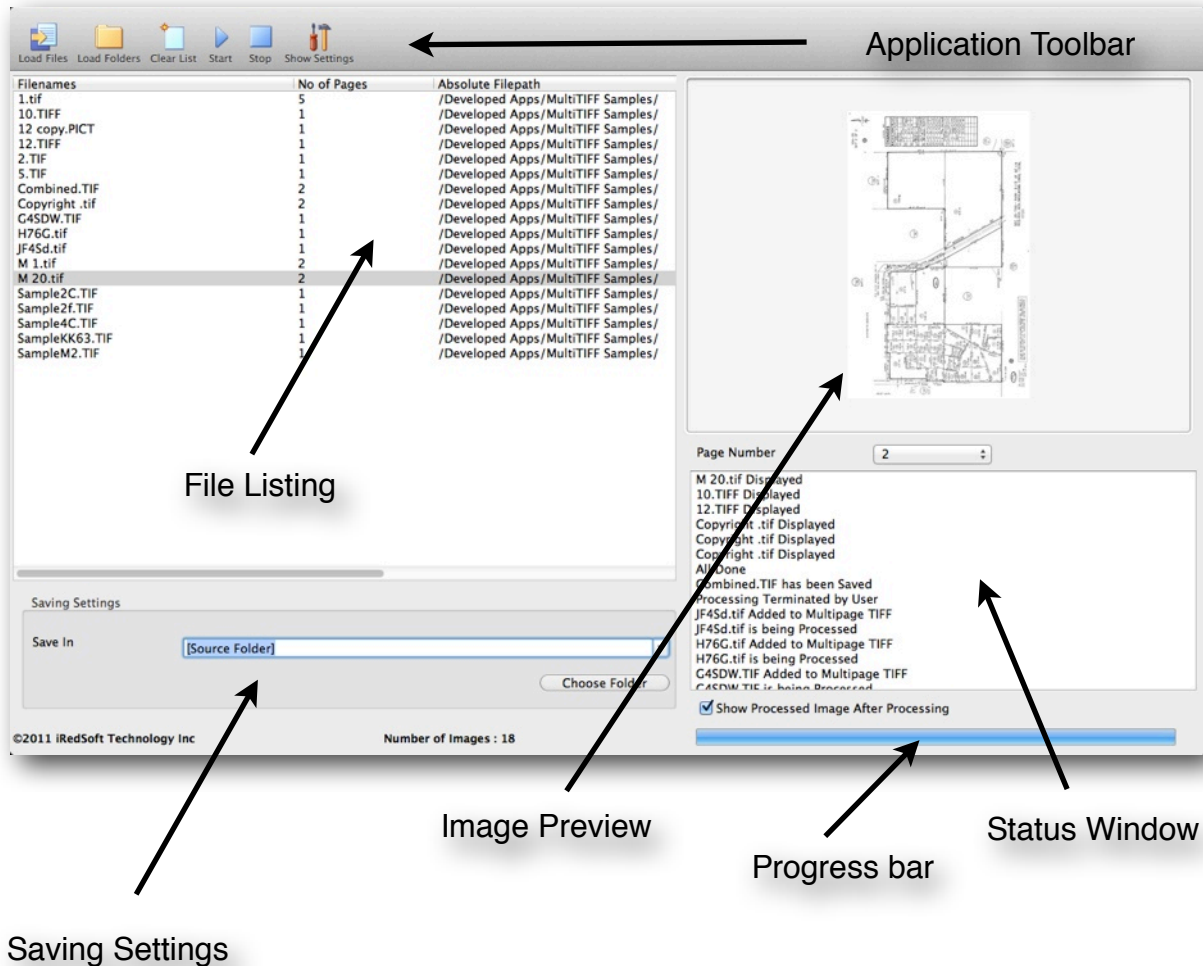


Figure 1 - Main Program Screen

The main window is where you would be doing most of the image resizing in. There are four components to this screen - Application Toolbar, Image File List, Image Preview, Saving Settings and Status Window

### Application Toolbar

The Application Toolbar contains 6 buttons which controls all the operations of the CM ComboTIFF.

## 1) Load Files

This will pop up the “Add Images to List” File Dialog box. By default, it will open up in your Pictures folder. You can navigate to another location using the familiar Load File dialog box.

You can opt to select a single image or multiple images to be added into the CM ComboTIFF.

CM ComboTIFF currently supports JPEG, PNG and TIFF formats and all other file types would be grayed out.

### Side Notes

To select a sequential list of images, use your mouse and click on the first file name you want to include then hold down the “Shift” button while clicking on the last file name on the list.

To selectively include images, use your mouse and click on the first file name you want to include then while hold down the (On Mac) “⌘ Command” or (On Windows) “CTRL”, click on all the file names you want to include.

## 2) Load Folders

Use this option if you want to include an entire folder of images to the list. All you need to do is to select the folder name and click on “Choose” and CM ComboTIFF would include all the supported images right into the application.

## 3) Clear List

Clicking this option will give you a clean slate to start with by removing all previously included images on the list. This will allow you to work with another folder once you finished working with the previously selected ones.

This will also clear the last Preview Image and the Status Window.

## 4) Start

This begins the Process of Combining or Splitting your images. Once you are done setting up the list and configuring your preferences, click on this button then sit back and relax while CM ComboTIFF does all the work for you. During processing, all the buttons are grayed out except for the Stop button.

### Notes on the Menu Bar

The menu bar duplicates all the buttons in the toolbar.

The Load Files, Load Folders and Clear List are found under “File”. The Start and Stop button under “Process” and Settings is found under “CM ComboTIFF”.

Under “Help”, you find the option to bring up this Help File.

## 5) Stop

If for some reasons, you need to stop the processing, click on this button. This will stop after it finishes processing the current image so to ensure that you do not end up getting a damaged image file. This option can be useful if you suddenly remember that this is not the folder you want to work with or that you might have forgotten to do some settings changes. These do happen to mere mortals like us so do not be worried about it.

## 6) Show Settings

This will pop down the Settings Window where you can make changes to how you want the images to be processed and all that. We will come to that in the next section.

### File Listing

The File Listing contains the images which would be processed. Although you cannot work directly with the list, you can use the Load Files, Load Folders or just drag and drop a list of image file names to this list and it would be added. To clear this list, click on the Clear List button on the toolbar.

To preview a images on the list, double click on the file name in the File Listing and it will appear in the Image Preview Screen. If there are more than a single page in the file, you can preview the other pages by using the Page Number dropdown box to nagivate between pages. This has no effect on single page image files.

This will show the number of pages found inside existing Multi-Page TIFF files.

### Saving Settings

This option determines where the processed images would be saved in. Use the Choose Folder button to select a new folder to save the images in. Alternatively, if you use the dropdown box, you could select the macro “[Source Folder]” which would save all images in their original folders.

Note : Under Mac OS X Lion, The Save In Folder is not saved as Apple’s requirement for Sandboxing. You will need to select the Save In folder when you start up the app.

### Image Preview Screen

Apart from showing you the image on the list when you double click on the file name, you can check the “Show Processed Image After Processing” below this screen if you want the program to show you the processed images after they are being worked on.

By default, this option is unchecked and the processed images are not shown to speed up the batch imaging process and to conserve memory.

### Status Window

The Status Window will show you how many image files are added and when images are being processed (i.e. loaded, resized and saved).

Below the Status Window is the Progress Bar. This will show you the progress of the image processing.

## Settings Window

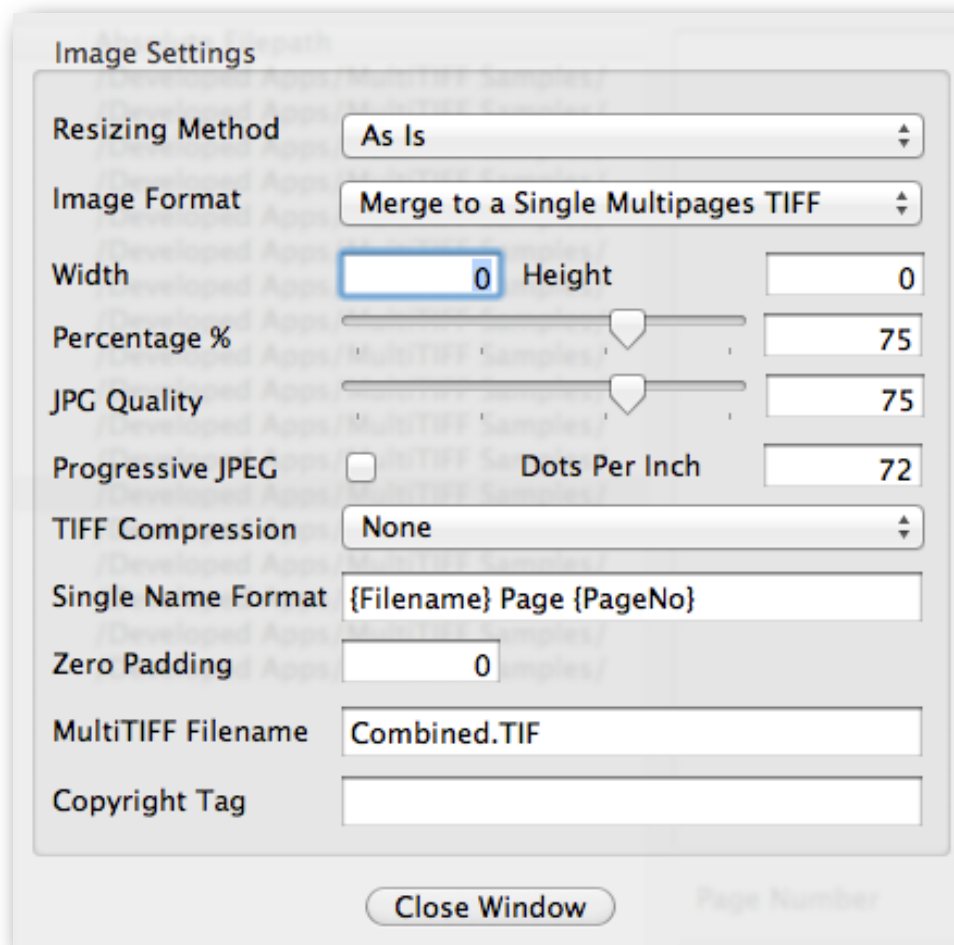


Figure 2 - Settings Window

The Settings Window is made up of the Image Settings. The Settings would be saved and remembered each time you click the Close Window in Settings or the Start button in the toolbar.

### Image Settings

This section sets up how you want to process the images.

#### 1) Resizing Method

This will determine how you want to resize the images. CM ComboTIFF offers you three methods to resize the images - Downsize by Pixel, Downsize by Percentage and 3/4x,

1/2x, 1/3x and 1/4x. The “As Is” option would cause the application to skip the resizing method.

#### *a) Downsize by Pixel*

The Downsize by Pixel method would work with the Width and Height to determine the dimensions of the resultant images.

There are two ways of using the Width and Height dimension here. If you fill both the Width and Height properties, the ratio aspect of the image is ignored and the image will take on the Width and Height properties in Settings.

#### **Notes**

If you use Downsize by Percentage or one of the ratio option, the Ratio Aspect of the image would be retained.

Alternatively, if you want to maintain aspect ratio, set either width or height and set the other dimension to 0. The dimension with a number above 0 will be used as the maximum pixel for that dimension and the one set to 0 will be resized accordingly to adjusted to maintain the original image aspect ratio.

#### *b) Downsize by Percentage*

The Downsize by Percentage method would work with the “Percentage %” properties. You can either slide the Slider Bar or type in the percentage you want to use on the box next to it. The application only accepts whole numbers between 10 and 100. Any numbers below 10 would be set to 10 and any number entered above 100 will be set to 100.

#### *c) 3/4x, 1/2x, 1/3x and 1/4x*

This will resize the images based on one of the preset ratio.

## **2) Image Format**

This determines how the resultant images would be saved. There are four options here, Merge to a Single Multipages TIFF, Extract to Multiple Single Page TIFF, Extract to Multiple Single Page JPG and Extract to Single Page PNG.

#### *a) Merge to a Single Multipages TIFF*

This option would combine all the files in the file listing into a single Multi-page TIFF. This option works with both Single Page Images such as TIFF, JPG and PNG and also existing Multi-Page TIFF files.

#### *b) Extract to Multiple Single Page TIFF, JPG and PNG*

This option would extract the individual pages from the Multi-page TIFF and save them into TIFF, JPEG or PNG file. If the original file has a single page, it would just change the image format to the one set.

## **3) JPG Quality**

This option would determine how much image quality is maintained in the resultant image. The downside is that the higher the quality, the larger the file size. This may not always be

appropriate if you are attaching the image in the email or putting them on the web as it would affect the download time. Setting it lower would result in a small file size which would make it more transportable.

The good news is that if you set the quality to between 70 to 80, you would not really see any noticeable differences and be able to enjoy a smaller file size. You will only see that some minor details are blurred when you attempt to view an enlarged version of the image.

#### **4) Progressive JPG**

This option may be useful if you intend to place large images on the web. Under the normal circumstances, the web browser would fully load the image before they show up on the web page. This may work well with small files or on a fast internet connection but would cause your audience to see a blank screen until the images are fully loaded.

When you check the Progressive JPG option, the images would be set to show up progressively as it is downloaded to your audience browser.

#### **5) Dots Per Inch**

This would set the Dots Per Inch for the Processed Images.

#### **6) TIFF Compression**

TIFF Images File supports several compression methods. For Color Images, use LZW, JPEG or Packbit and for Monochrome Images, use CCITT G3 or CCITT G4.

#### **7) Single Name Format**

This will determine how the spilt single image file names would be formatted when one of the 'Spilt to Multiple Single Page' option under 'Image Format' is used. This comes with two macro "{Filename}" which is the original filename and "{PageNo}" which is the page number of the images in the Multi-Page TIFF. Any text other than the two macros would show up as they are. This option would only be activated if the original file is a Multi-Page TIFF and would not have any effect if the file only contains a single image page.

#### **8) Zero Padding**

This will work with "Single Name Format" by determining the Zero Padding needed for the "{PageNo}" macro. If you set the Zero Padding to under the length of the Page Number, it would not pad any zeros.

For example, if you set the Zero Padding to 4, your first page number would be listed as 0001.

#### **9) MultiTIFF Filename**

When the Image Format is set to "Merge to a Single Multipages TIFF", this would be used as the file name to save the resultant file in. Ensure that the file extension ends with ".TIF" or ".TIFF" to ensure proper operation.

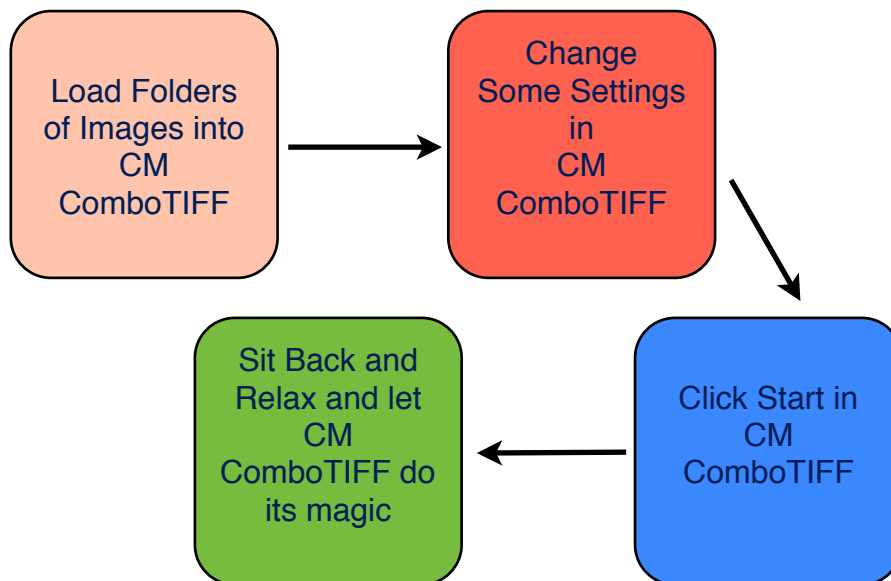
## 10) Copyright Tag

This is used to add the copyright tag into the TIFF File Header.

# How To

CM ComboTIFF is built to be easy to use as we try very much to keep the complexity to the minimum. As a user, you should relax and let CM ComboTIFF do all the tedious and mundane for you.

A typical day with CM ComboTIFF would look like this



## Step by Step

- 1) Use either the Load Folders or Load Files to add the images you want to work on CM ComboTIFF.
- 2) If you need to make adjustments to how the images are to be processed, go to the Settings Page. The most important setting is the “Save In” settings which determines where you want the images to be saved in. If you kept it blank, it will overwrite the original images.
- 3) Once you are happy with the settings, click “Start” and let CM ComboTIFF do its work.

## Merging Images to a Single Multipage TIFF

If you want to combine several images, there are various settings which would be relevant.

- Image Format set to Merge to a Single Multipages TIFF
- MultiTIFF Filename - Defines the resultant Multi-page TIFF filename
- Save In - Defines where the resultant file would be saved in.

## Splitting MultiTIFF File to Single File Format

To Split a Multi-Page TIFF to a Single Page TIFF, PNG or JPEG format, you will need to set the minimum of the following settings

- Image Format set to Split to Multiple Single Page TIFF, Split to Multiple Single Page JPEG or Split to Multiple Single Page PNG
- Single Name Format - Defines the Format of the individual extracted pages filenames.
- Save In - Defines where the resultant file would be saved in.

# Things to Note

- Ensure that all images comes with filename extensions such as .jpg, .jpeg, .tif, .tiff or .png. They can come in either upper- or lower-case.
- Ensure that you back up your original image files because we know they are very precious to you. Although we hope that the images would remain intact but anything could happen during image processing. We are not perfect but we strive to be. If the files are overwritten, they cannot be undone.
- Do set the Save In Folder to something other than the original image file location unless you are doubly sure that that is what you want to do. Setting the Renaming option in CM ComboTIFF will ensure that the original image files would not be overwritten.
- If there is anything you do not know about CM ComboTIFF, found some problems or just like to see some new features included, please feel free to email us at [support@batchimage.com](mailto:support@batchimage.com) or [support@completemagic.com](mailto:support@completemagic.com)
- Most importantly, remember to take the time do relax or do something productive or do something you enjoy doing instead of renaming and resizing images one at a time.
- If you like using CM ComboTIFF and find it enrich your life or can be a benefit to someone else, do drop us a note or tell your friends about it. The profit raised from the sale of this application would help fund further enhancement to it.
- If you purchased the CM ComboTIFF from our website, you can find the updates on our website. If you purchase from the Mac App Store, you will need to update from the App Store app.

# Version History

## v1.0.0

- Mac Version Released on Mac App Store and our website.

## v1.0.1

- Minor Cosmetic bug fixes
- Rename Settings to Preferences inline with the Mac Interface.
- Improved Windows Compatibility

## v1.0.2

- Improved File Name Sort Handling with non-zero padded numbers
- Better Photometric handling of CCITT G2 TIFFs

## v1.0.3

- Cocoa Build
- Fixed Bug which causes the JPG Quality slider to affect the Percentage in Settings and Vice Versa

## v1.0.4

- Added Full Screen Support under OS X Lion

## v1.0.5

- Sandbox App as per App Store Requirement
- Move Saving Settings to Main Page
- Remove Popup Menu which causes the app to crash if there is a duplicate name in the source and output file name.

## v1.0.6

- Bug Fix : Help File could not launch under OS X Lion due to a Permission Issue under Preview. Now PDF version of the Help File is launched on our website through your web browser.
- Added in the File Listing Contextual Menu, the option to Delete File from the List.

## v1.0.7

- Renamed App from ComboTIFF to CM ComboTIFF in line with our other Cross Platform or Mac Apps.
- Updated Imaging Engine