

Batch It

Ultra

4

Manual

Table of Contents

Introduction	6
<i>Core Features of Batch It Ultra 4</i>	6
<i>Changes from Batch It Ultra v3</i>	7
<i>System Requirements</i>	7
Trial and Purchase Information	8
Contact Information	9
<i>Pre-Sales and Sales</i>	9
<i>Technical Support</i>	9
Version History	10
Interface Overview	11
Application Menu	11
<i>File Menu</i>	11
<i>Windows Menu</i>	11
<i>Help Menu</i>	12
Navigation Bar	12
<i>Loading Menu</i>	12
<i>Processing Menu</i>	12
<i>Options Menu</i>	13
Control Center	13
<i>Description of the Columns</i>	14
Using the Control Center	14
<i>Previewing Images</i>	14
<i>Changing Individual Image Orientation</i>	15
<i>Contextual Menu in Control Center</i>	15

Before Preview Window and After Preview Window	15
<i>Resizing by Cropping</i>	<i>15</i>
Settings	17
Image Properties	17
<i>Image Format</i>	<i>17</i>
<i>Resizing Method</i>	<i>18</i>
<i>Resampling Method</i>	<i>19</i>
<i>Color Depth</i>	<i>20</i>
<i>Interlaced GIF/PNG</i>	<i>20</i>
<i>JPEG/PNG/JPEG2000 Quality</i>	<i>20</i>
<i>JPEG Smoothing (%)</i>	<i>20</i>
<i>JPEG Huffman Compression</i>	<i>20</i>
<i>Progressive JPEG</i>	<i>21</i>
<i>JPEG Color Space</i>	<i>21</i>
<i>TIFF Compression</i>	<i>21</i>
<i>Retain EXIF Header Info</i>	<i>21</i>
<i>Keep IPTC Header</i>	<i>21</i>
<i>Dots Per Inch</i>	<i>21</i>
<i>Set Background Color (from PNG/GIF) and Background Color</i>	<i>22</i>
Image Effects	22
<i>Image Orientation</i>	<i>22</i>
<i>Image Manipulation</i>	<i>22</i>
<i>Brightness</i>	<i>23</i>
<i>Contrast</i>	<i>23</i>
<i>Red, Green and Blue</i>	<i>23</i>
<i>Grayscale</i>	<i>23</i>
<i>Negative</i>	<i>23</i>

<i>Old Photo Effect</i>	23
<i>Sepia</i>	23
<i>Auto Equalize</i>	23
<i>Red Eye Removal</i>	23
<i>Add Border</i>	23
<i>Add Drop Shadow</i>	24
Text Caption Properties and 2nd Text Caption Properties	24
<i>Text Caption</i>	24
<i>Font Name, Font Size, Font Style and Font Color</i>	25
<i>Text Alignment</i>	25
<i>Caption in Border</i>	25
<i>Background Color</i>	25
<i>Transparent Background</i>	26
<i>Text Caption Background Color</i>	26
<i>Drop Shadow Text</i>	26
Watermark Properties and 2nd Watermark Properties	26
<i>Watermark Image</i>	26
<i>Watermark Alignment</i>	26
<i>Watermark Blending</i>	27
<i>Use Alpha Channel</i>	27
<i>Watermark Transparency</i>	27
Filename Changer Properties	27
<i>Prefix and Suffix</i>	27
<i>Start Number</i>	27
<i>Restart Number at each run</i>	27
<i>Number of Digits</i>	27
<i>Case Option</i>	28
<i>Add Prefix and Suffix Only</i>	28

<i>Smart Replace</i>	28
<i>Retain Original File Date Stamp</i>	28
<i>Overwrite Files</i>	28
Print Settings	28
<i>Print Size</i>	28
<i>Horizontal Alignment</i>	29
<i>Vertical Alignment</i>	29
Main Files Properties	29
<i>Target Directory/Folder</i>	29
<i>Keep Sub-directory Structure</i>	29
Second Resizing Properties and Third Resizing Properties	30
Basic How To	31
Batch Filename Change	31
Batch Printing	31
Command Line Settings	32
Details of the supported Command Line Parameters	32
<i>Original Image Path or files</i>	32
<i>Profile=</i>	32
<i>DeleteOriginal</i>	33
<i>Recursive</i>	33
<i>AutoExit</i>	33
<i>Minimize</i>	33
<i>AutoStart</i>	33
<i>Register</i>	33

Introduction

Batch It Ultra is our flagship Windows Batch Image Processor which had its humble beginning in 1998. It has gone through several major and minor upgrades over the years which embrace both users' suggestions and emerging technologies in the world of Digital Imaging.

In 1998, as avid photographers and opened to the latest development in digital photography, we bought our first digital cameras. It allowed us to take pictures and a lot of images without feeling the pinch of photo development cost. It certainly was a godsend but with the amount of photographs we took, working on them individually took the joy of photography out of us. We hunted around for a batch image tool which could resize and rename the photographs for us but could not find any. That began our quest to developing such a tool for ourselves. Having found success within our circles of friends, we thought that it was a good idea to bring it to the world and that began our journey in software development and particularly in batch digital image processing.

The development of Batch It Ultra v4 began in 2006 and went through many internal revisions during that time to perfect the imaging engine which forms the core of the application. During that time, we learned a lot from the release of Batch It 5 and Batch It Pro 4 and have refined the engine to what it is today. We are proud of the latest incarnation of Batch It Ultra.

Simply put, Batch It Ultra takes away the mundane task of resizing and renaming all your digital photos in a single go. There are other core features which includes applying effects to the photos and allows you to convert images from one format to another.

Core Features of Batch It Ultra 4

- **Batch Image Resizer** - Gone are the days when you would need to individually resize one photo at a time, Batch It Ultra would handle this with ease. It saves you time as it would take several minutes to accomplish what would take several hours to do. If you need to create several sizes of the photos, Batch It Ultra can do it in a single go.
- **Batch Photo Renamer** - Renaming the photos to something more descriptive is now possible with Batch It Ultra. All you need to do is to set a prefix and a suffix and how you want the running numbers to be formatted and let Batch It Ultra do the rest.
- **Batch Photo Format Converter** - Batch It Ultra supports many of the commonly used photo formats and allow you to convert between them with ease. It currently supports JPEG, JPEG 2000, HDP, BMP, GIF, PNG, TIFF, PCX, TGA, PBM, PPM and PGM.
- **Batch Text Captioning** - Batch It Ultra allows you to add short text on images be it a short description, filename and date and time. With a short description, it would indeed make your images more meaningful. Adding copyright tags would assert your ownership of your works.
- **Batch Effects Adjustments** - Batch It! Ultra comes with a host of features which allows you to create grayscale, negative, sepia, old picture effects and more on the images to

give them that unique feel. It also supports Auto Equalization which adjusts and balances color contrast and intensity levels.

- **Command Line Support** **New** - With the Windows Scheduler or a little script, you could have Batch It Ultra check and process your photos automatically and in the background. Batch It Ultra accepts command line parameters which allows you to extend its image processing to your web script or other applications.

Changes from Batch It Ultra v3

- Updated Imaging Engine which could handle larger image dimensions
- Supports up to 3 resize within one process
- Redesigned Interface which spots a modern interface
- Utilized a memory based database for better sorting function
- Command Line Parameter Support
- Added Drag and Drop Images from Windows Explorer
- Support Lossless Windows HD Photo Format
- Support Image Printing
- Support Rotation by EXIF Orientation
- Improved Drop Shadow Effect
- Added Old Photo Effect
- Added Sepia Effect
- Added Red Eye Removal Effect
- Added Auto Equalize Effect
- Added Trim Spacing from Text Option
- Added Smart Replace in Filename Changer
- Added Support for Integrating Macros in Text Caption
- Added Resizing by Frame to ensure that all images have the same dimension
- Additional Settings Options for 2nd and 3rd Resizing Processes
- Supports Retention of Color Management System ICC Profile
- Added Backup Original File to ZIP
- Dropped support for Windows 98 and 2000

However in supporting the new engine, the HTML Wizard and Thumbnail Slicing has been function would need to be removed.

System Requirements

Pentium 4 based Computer and above with 1gb RAM and 20mb Harddisk
Supported on Windows XP, 2003, 2008, Vista and 7 and above

Image Processing is a very resource intensive operation and the speed of processing would depend on several factors such as the CPU, RAM and the size of the photos especially for photos bigger than 10 megapixels. Batch It Ultra utilizes both the RAM and Harddisk to process the images.

Trial and Purchase Information

Batch It Ultra is offered as a Try-Before-You-Buy application. This allows you to effectively evaluate the application for a period of 21 days. During the first 21 days, you may use the application without charge to determine if the application meet your needs.

During the first 21 days, the application is not feature-locked and you will have full access to all the features of the application. There would be a nag screen before the application starts and after it exit.

After the 21 days, the application will stop functioning and you would need to purchase a license to continue using it or to use it beyond the purpose of evaluation.

There is three licenses for Batch It Ultra 4 and both can be purchased through Plimus.com through our website at <http://www.batchimage.com/registration>

The three licenses are the Standalone license, Command Line license and the Server license which incorporates the command line feature.

Both the command line and the server license which offers both GUI interface and the command line support. The Standalone license can be used as a desktop application via the GUI interface.

Upon registration, you would be provided with an unlock key via email which entitles you to use Batch It Ultra on up to 3 computers provided that you are the exclusive user of the application. If you do not receive an email from our website via Plimus within 3 hours of your purchase, please contact us at sales@batchimage.com so we could look into the issue and provide you with a key. Do check your spam or trash folder to see if that email ended there.

The unlock key can be entered at 3 stages, when you start the application, when you exit the application and under the Help tab.

The Server license allows you to use the application on one server.

As a registered user, you would be entitled to unlimited usage of the application. All minor updates (ie v4.0 to v4.9) would be free and can be downloaded from our website and install on top of the existing installation.

Major Upgrade (ie v4 to v5) is not free but as a registered user, you would be entitled to a deep discount for the next major upgrade. However, upgrades are not compulsory and you are free to continue using the version of the application you purchase.

Major Upgrades are usually offered to support the newer operating system or changes with the operating system which requires a major overhaul.

Contact Information

Pre-Sales and Sales

If you have any inquiries in regards to licensing or have misplaced your registration details, feel free to contact us at sales@batchimage.com .

If you require a re-issue of your registration key, please contact us with the name of the application you registered for, your registered name and email address and any information which we can use to trace your details.

Technical Support

If you have require any technical support or found a bug or require a new feature to be included, please contact us at support@batchimage.com .

Please provide us with a description of the error, error messages and the Settings Profile so that we could recreate the issue on our end and provide a solution for it.

Version History

- v4.0 - Initial Release

Interface Overview

Application Menu

On the application menu bar, there is three menus, File, Windows and Help.

File Menu

Under the File Menu, you will find 3 items, Load Profile, Save Profile and Exit.

The Profile File is a text based INI File which contains the all settings used in Batch It Ultra. Load Profile would allow you to load a previously saved settings file and Save Profile will save the existing settings into the INI File.

One of the core strength of Batch It Ultra is the profile file. This allows you to create multiple settings profile files for your different image processing needs. As the INI file is a portable text file, you would be able to share the INI file with your colleagues to use the same settings.

We may require you to send us the settings profile file when you request for assistance as it would allow us to recreate the settings on our end and be able to provide you with a solution or a bug fix. The Profile file does not contain any confidential information but merely the settings used in the application.

Settings Profile

Settings Profile is INI file which stores all the settings used in the application in a text readable and portable files.

If you need to process images using different settings on a regular basis, you could make all the necessary changes to the settings to meet your needs and use Save Profile to save the Settings Profile File. When you need to use those exact settings, you can use the Load Profile to load that profile file and all the settings would be restored.

This option is useful especially when using the Command Line option.

The Batch It Ultra v3 Profile File is not compatible with the Batch It Ultra v4 as there are changes in the settings and interface.

Windows Menu

The Windows Menu would allow you to bring forward the several tabs and windows in the application.

Help Menu

Under the Help Menu, the Help option would bring up this PDF file. The Check for Update would bring up the download page of our website which would contain the link to the application and the current version number.

There are several other options

- **Help** - This will bring up this PDF Help File in your PDF Viewer
- **Check for Updates** - This will bring you to our Download Page which would have the links to the installer and the latest version number is listed besides it
- **Buy Batch It Ultra** - This will bring up the Price Listing Page which includes the link to purchase a license for Batch It Ultra through Plimus.com
- **Register** - This option allows you to enter the registration details which was provided to you when you purchase a license. You will need to restart the application for the changes to be reflected
- **About** - This option shows you the current application version number

Navigation Bar

On the left hand side of the application is the Navigation Bar, there is 3 main menus, Loading, Processing and Options.

Loading Menu

The Loading Menu contains pre-processing controls, these includes Load Files and Load Folders which can be use to load images into Batch It Ultra for processing.

Load Files allows you to select a single or a list of images from a folder to be loaded and **Load Folders** would allow you to load an entire folder and the option to include all sub folders of supported image files to be loaded to the list.

Another method of loading images to the list would be to drag them from the Windows Explorer and drop them into the Control Center.

Clear List would remove all entries from the list and clear both the Before and After Preview. This will not remove any files from the system. Use this option if you want to clear the list to start on another folder or set of images.

Settings would navigate you to the Settings tab which would allow you to set various options for the image processing process.

Backup Original will allow you to backup all the files from the File Listing to be backed up into a single ZIP file. Backup is very important as any files which have been overwritten cannot be restored. The ZIP is preset to saved with the Maximum Compression.

Processing Menu

The Processing Menu contains options to begin the processing process.

Process All would begin the image processing or file name changing processes.

Stop will allow you to stop the processing before it is completed. The process will stop right after the current image has completed being processed, this is done so as not to damage the current image.

Preview Name Change does not actually begin the file name changing process, it allows you to preview the new file names of the images of all the files on the list so that you know what you would be getting. Read the [Filename Changer Settings](#) section for more information about the settings.

Print Image Only allows you to print all the images on the list but bypasses the image processing function.

Options Menu

The Options Menu allows you to control how you want the processing to proceed. Checking the options would enable them.

Checking the **Use Filename Changer** would enable the Filename Changer process with the Image Processing option. If this option is unchecked, the processed images would retain the same filenames as the original files and the file extensions would change to reflect the new image format selected under Settings.

Checking the **Do Filename Change Only** would skip the image processing function and proceed with the Filename Changer process only.

Checking the **Enable Change Preview** option would allow you to allow you to do a quick preview of the changes to the images when you double-click on its filename. The original image would be shown in the Before Preview Window and the processed image would be loaded in the After Preview Window. The image would be processed using the settings enabled in the Settings tab. The changes are only done in memory and no actual output image file has been generated at this stage. Unchecking this option would disable the image preview.

Checking the **Enable Print Images** option would include the Image Printing function with the image processing function.

Control Center

At the center of Batch It Ultra contains the Control Center and the Settings tab. The Control Center is where the file listing of the images which would be processed.

There are 7 columns in the Control Center, these are

1. File Name ***Read Only***
2. Orientation ***Dropdown Menu***
3. New Filename ***Editable***
4. Caption ***Editable***
5. Sort Order ***Editable***
6. File Date Time ***Read Only***
7. File Path ***Read Only***

Some of the columns are hidden on first glance, you could scroll horizontally to view the rest of the columns. When scrolling, the File Name column would remain which would allow you to identify the column.

All Columns are sortable and you could use that to sort them according to your needs. You would also be able to use that inverted triangle on the header to

Description of the Columns

- **File Name** - This is the Original File name of the Images
- **Orientation** - This would allow you to set the orientation of the individual images. This is useful for rotating landscape images to portrait or vice versa. If you set the Orientation settings to EXIF Orientation, Batch It Ultra would determine the needed orientation change for the photos and set it as necessary. This option will only work if your camera includes the Orientation in the EXIF header for JPEG files.
- **New Filename** - This is the new filename of the file. This will be automatically generated when the File Name Changer option is enabled. However if you unchecked that option, you could manually modify the filenames individually.
- **Caption** - By setting the Caption here and setting the Text Caption Properties to the [caption] macro, it would use the stated text caption here and embed it onto the images.
- **Sort Order** - The Sort Order is currently defined as the order of the images being imported to the list. However, if you would so need to change the sort order, you can change the number here and click on the Sort Order Header to sort according to this list.
- **File Date Time** - By default, the application will use the file date and failing which would use the current date time.
- **File Path** - This is the original file path of the original images.

Using the Control Center

Previewing Images

To Preview the Images, double-click on the row of the image you want to preview.

If you have the Enable Change Preview under Options unchecked, only the Before Preview Window will show up with the original image.

If you have the Enable Change Preview Checked, the Before Preview Window will show the original image and the After Preview Window will show the image after all the settings have been applied. This preview does not save any file on the computer.

Changing Individual Image Orientation

To individually change the image orientation, do a single click on the Orientation column and a Dropdown menu would appear which would allow you to select one of the following options

- As Is
- Rotate Clockwise 90°
- Rotate CounterClockwise 90°
- Rotate 180°
- Flip Left
- Flip Down

For more information on the settings, check out the [Image Orientation](#) section.

Contextual Menu in Control Center

The contextual menu can be activated when you do a right-mouse click on your mouse or touchpad. If you do not want to select any options in the contextual menu, just use the mouse to click at somewhere outside the contextual menu.

- **Remove Image** - To remove a single image from the list, you could select the image you want to remove and select Remove Image from the Contextual Menu.
- **Set All Orientation** - This option allows you to reset the orientation of all the images on the list to one on the list.
- **Reset All Filename Change** - This will restart the New Filename Column to the original filename on the list. This is useful when you do a manual renaming of the files and decide that you want to reset them to the original.

Before Preview Window and After Preview Window

The Before Preview Window will show a thumbnail of the original image before it is being processed.

There is a contextual menu for the Before Preview Window and the options are

- Show Full Size
- Set Crop Axis All
- Set Crop Axis Main
- Set Crop Axis Second Resizing
- Set Crop Axis Third Resizing
- Clear Selection

The **Show Full Size** option will bring up the image in a separate window in its full size.

Resizing by Cropping

The other options are related to the Resizing by Cropping option. To set up the cropping dimensions, you could either set the the [Crop X Axis, Crop Y Axis, Height and Width](#)

manually in Settings or use the mouse to select the rectangle dimensions in the Before Preview Window.

In order to use the mouse selection, you would need to double click on one of the image and when the image appears in the Before Preview Window, use the mouse to select the top left and bottom right points. Once that is done, use the Contextual Menu and select one of the Set Crop options.

Set Crop Axis All would add the crop dimensions to all the 3 resizing options, Main and the Second and Third resizing options. The **Clear Selection** will clear the selection rectangle.

Settings

The Settings tab is where you would set all the various options to be used for the image processing.

There are 11 sub folders

- Image Properties
- Image Effects
- Text Caption Properties
- 2nd Text Caption Properties
- Watermark Properties
- 2nd Watermark Properties
- Filename Changer Properties
- Print Settings
- Main Files Properties
- Second Resizing Properties
- Third Resizing Properties

Image Properties

Image Format

The Image Format determines the output image format. It currently contains the following options

- **As Is** - Retain the original image format provided that it is a supported format.
- **JPEG** - JPEG utilizes a lossy compression algorithm which drastically reduce the file size which makes it a popular image format for the web. It is also the most commonly support image format for digital cameras. The tradeoff is that details are lost each time the image is being saved and for the most parts, it is not noticeable.
- **JPEG 2000** - JPEG 2000 utilizes a new wavelet compression algorithm which retains most of the details of the image. Although there is a lot of talk about this format, it did not quite catch on.
- **BMP** - Bitmap is the default image format of Windows which can handle full 16.7 million (24 bits) color palette image. There is no compression in this format.
- **GIF** - GIF used to be a popular image format for graphics but only supports 256 color palette which makes it not suitable for photographic images.
- **PNG** - PNG currently replaces the GIF format on the web as it supports full 16.7 million color palette image and supports a lossless algorithm which retains all image details.
- **TIFF** - Batch It Ultra supports the single page TIFF format. The TIFF format is typically supports the Black and White or Grayscale palette.

- **PCX** - This was the native Image Format for PC Paintbrush and supports the full color palette.
- **TGA** - This format supports full color and it is a popular image format uses for game development.
- **PBM** - The Portable Bitmap Format supports full 24 bits color palette.
- **PPM** - The Portable Pixmap Format supports only Black and White Color.
- **PGM** - The Portable Graymap Format supports Grayscale color palette
- **HDP** - Windows HD Photo Format is the newest image format from Microsoft. It supports full lossless support and is supported under Windows Vista and 7 with .NET Framework 3.0. It has a better color reproduction than JPEG.

Resizing Method

The Resizing Method determines how you want to resize the images.

The options are

- **As Is** - This will ignore the image resizing process.
- **By Percentage** - This allows you to resize the images by percentage. When this option is selected, you would see the Resize Percentage option appearing where you can set the percentage between 5 to 200%.
- **By Frame** - This allows you to resize all images to the same dimensions while retaining the ratio aspect. Any images which does not fall into the dimension would be padded with the set Frame Color.

The options are

- **Height** - This sets the Height of the Frame in Pixels
- **Width** - This sets the Width of the Frame in Pixels
- **Frame Color** - This would be the padded color of the frame.
- **By Cropping** - This allows you to crop the images by dimensions. This would be useful if you need to batch crop the images.

The options are

- **Crop X Axis** - The top left horizontal point in pixels
- **Crop Y Axis** - The top left vertical point in pixels
- **Height** - The bottom vertical point in pixels
- **Width** - The bottom horizontal point in pixels

For more information, check out [Resizing by Cropping](#) section.

- **Downsize By Pixels** - This allows you to set a maximum width and height in pixels and any dimension above the maximum dimension would be downsized.

The options are

- **Height** - The Maximum Height in Pixels
 - **Width** - The Maximum Width in Pixels
 - **Keep Dimension Ratio Aspect** - Checking this option would have the image retain its ratio aspect. This may result in one of the dimension being smaller than the set maximum. Unchecking it would resize all images to the maximum width and height.
 - **Swap Dimensions if Portrait Image** - Checking this option would treat the longest dimension as width and the shorter dimension as height.
- **Upsize by Pixels** - This option would allow you to set a minimum width and height in pixels and any dimension below that minimum dimension would be upsized. Upsizing images would not add back missing pixels and the higher the upsizing dimensions, the more obvious the pixelization would appear.

The options are

- **Height** - The Minimum Height in Pixels
 - **Width** - The Minimum Width in Pixels
 - **Keep Dimension Ratio Aspect** - Checking this option would have the image retain its ratio aspect. This may result in one of the dimension being smaller than the set maximum. Unchecking it would resize all images to the maximum width and height.
 - **Swap Dimensions if Portrait Image** - Checking this option would treat the longest dimension as width and the shorter dimension as height.
- **1/4x** - Resized all images to 25% of the original dimensions
 - **1/3x** - Resized all images to one-third the original dimensions
 - **1/2x** - Resized all images to half the original dimensions
 - **2/3x** - Resized all images to two-third of the original dimensions
 - **3/4x** - Resized all images to 75% of the original dimensions
 - **1 1/2x** - Upsize all images to 150% of the original dimensions
 - **2x** - Upsize all images to 200% of the original dimensions

Resampling Method

There are many resampling methods which could be applied when the images are resized.

The various methods in Batch It Ultra includes

- **None**
- **Lanczos3**
- **Bell**
- **Triangle**
- **Hermite**
- **BSpline**
- **Mitchell**
- **Bilinear**
- **Bicubic**

- **Linear**
- **FastLinear**
- **ProjectBW**
- **ProjectWB**

None offers the fastest means of recreating the pixels in the resized images but would result in images which lacks a lot of details. Lanczos3 offers the best reproduction of the resized images with the most details but is slower at resizing. ProjectBW and ProjectWB offers black and white resampling of the images.

Color Depth

Color Depth defines the color palette which would be used by Batch It Ultra.

The options are

- **1 Bit** - Black and White Images
- **4 Bits** - 16 Color Palette Images
- **8 Bits** - 256 Color Palette Images
- **24 Bits** - 16.7 Million Color Palette Images

For true photographic images, set this to 24 bits.

Interlaced GIF/PNG

GIF and PNG Images can be Interlaced or Non-Interlaced. Interlaced GIF or PNG would load up progressively on the computer. Typically for an image to be displayed locally on a computer, this option is not relevant. For online delivery such as on the web, a large GIF or PNG images when set to non-interlaced would have to be fully downloaded before it is displayed and during the loading time, the user would see a blank image. Checking the Interlaced GIF or PNG option would cause the image to load and show progressively.

JPEG/PNG/JPEG2000 Quality

JPEG, PNG and JPEG 2000 formats allows you to set quality of the images. The higher the quality the better the images but it would mean a larger file size. The range is between 5 to 100%. For JPEG images, setting the Quality to between 75 to 85% would offer a good quality-size benefits.

JPEG Smoothing (%)

A low JPEG Quality would yield pixelization and you would see jagged edges within the images. Setting a JPEG Smoothing settings would smooth out all the jagged edges by blurring it. The higher the JPEG Smoothing (%) would result in a blur image. Setting the JPEG Smoothing (%) between 2 to 5% would be sufficient in most cases. Start off by setting JPEG Smoothing (%) to 0 and adjust 1% at a time to get the best result.

JPEG Huffman Compression

The JPEG Huffman Compression optimized the JPEG File by removing redundancy within the image resulting in a smaller size.

Progressive JPEG

Progressive JPEG is similar to the Interlaced GIF/PNG settings, it allows the JPEG images to display progressively while it loads on the web especially if the image has a large file size.

JPEG Color Space

The following Color Space are supported for JPEG Images generated by Batch It Ultra

- **RGB**
- **CMYK**
- **YCbCr**
- **YCbCrK**

TIFF Compression

TIFF Files are typically container files and can support a variety of Compression Algorithms such as

- **Packbits**
- **G3**
- **G4**
- **Huffman**
- **LZW**
- **Uncompressed**
- **JPEG**
- **Deflate**

Retain EXIF Header Info

When this option is checked, all the EXIF Header would be retained. This would include all the camera embedded EXIF Information. This would only work if the output image format is the same as the original image.

Keep IPTC Header

When this option is checked, all the Internet Press Telecommunications Council (IPTC) header would be retained if the output image format is identical to the original image. Typically, the press would embed story about the photos in the IPTC header.

Dots Per Inch

The Dots Per Inch is no longer relevant as display and printers would perform its internal interpolation for output. However, this option is included if you require setting this option. It does not change the dimension of the images and would typically be ignored when displaying on the computer monitor as the Width and Height takes precedence.

Older Desktop Publishing Application may require the Dots Per Inch settings as it would determine the display size on the document.

Set Background Color (from PNG/GIF) and Background Color

PNG and GIF images can embed a transparent background but when it is converted to another format, the background would require a background color. You could set the Background color option for this.

Image Effects

Image Orientation

To set default image orientation, you would need to set this option prior to loading the images. You can set the Image Orientation for each individual image as documented in [Changing Individual Image Orientation](#) or setting all the image orientation loading the images to the control center as documented in [Contextual Menu in Control Center](#).

The options are

- **As Is** - No Orientation Change is Applied
- **EXIF Orientation** - Set the Orientation based on the EXIF Header information. This information is embedded by most modern camera. If the information is not found in the EXIF Header, the images would be set to As Is.
- **Rotate Clockwise 90°** - This rotate all images 90 degrees to the right
- **Rotate CounterClockwise 90°** - This rotate all images 90 degrees to the left
- **Rotate 180°** - This will rotate all images 180 degrees to the right where the image would be upside down and left to right
- **Flip Left** - This will invert the images from Right to Left
- **Flip Down** - This will create a upside down mirror image

Image Manipulation

The options include

- **As Is** - No Manipulation is applied
- **Sharpen** - Apply Sharpening to the images
- **Sharpen More** - Applies double the intensity of the sharpening to the images
- **Blur** - Apply the Blur effect to the images
- **Blur More** - Apply double the intensity of the blurring effect to the images
- **Emboss** - Applies the Emboss effect to the images

Brightness

This applies the brightness to the images. The range is between -10 to 10. Setting it to a negative number would darken the images and a positive number would brighten the images. Setting it to 0 would retain the original brightness.

Contrast

This applies the contrast to the images. The range is between -10 to 10. Setting it to a negative number would reduce the contrast and a positive number would increase the contrast effect. Setting it to 0 would retain the original contrast.

Red, Green and Blue

This 3 controls would allow you to set the Red, Green and Blue intensity to the images. The range is between -255 to 255. Setting it to 0 would retain the original color intensity.

Grayscale

Checking this option would apply the grayscale effect to the image giving it an old Black and White Photo effect.

Negative

This option would apply a negative effect to the image by inverting the colors.

Old Photo Effect

This option applies an Old Photo Effect to the image. This applies several RGB intensity changes to provide a more wash out effect like an old photo.

Sepia

This applies the Sepia effect to the image.

Auto Equalize

This will analyze the image composition and auto equalize the brightness and contrast settings.

Red Eye Removal

This option would try to remove the red eye tint on the eye for photos taken from camera would does not have the double flash or red eye correction flash effect.

Add Border

When you check this option, it would add a colored border around the image.

Batch It Ultra 4

The option includes

- **Border Thickness** - This defines how thick the border is in pixels
- **Border Color** - This defines the Border Color

Add Drop Shadow

Batch It Ultra allows you to add a Drop Shadow around the image.

The options includes

- **Shadow Size** - This defines the thickness of the drop shadow in pixels
- **Drop Shadow Color** - This defines the drop shadow color
- **Drop Shadow Opacity** - This defines opacity or transparency of the drop shadow. The options are 0 to 100. 0 would be fully transparent and 100 is full opacity.
- **Drop Shadow Background Color** - This defines the background color behind the drop shadow.

Text Caption Properties and 2nd Text Caption Properties

Batch It Ultra allows you to add up to two Text Captions to a single image. Text Captions are short single line text which would be embedded into the images.

Text Caption

This defines the text caption which would be added to the images. You could either set a static text caption or use one of the predefined macro in the dropdown box.

The macros includes

- **[filename]** - This will tag the filename of the renamed file onto the image
- **[filenamenoext]** - This will tag the renamed filename without the file extension onto the image
- **[date]** - This will tag the Date onto the images. The format of the Date would be determined by your computer's localization date format.
- **[datetime]** - This will tag the Date and Time onto the images based on original Date Time based on your computer's localization date time format.
- **[caption]** - When you set this option, it will make use of the Caption Entry from the Control Center. This is where you can define different caption for different images.

You could use a combination of Macros and Static Text in the Text Caption.

Font Name, Font Size, Font Style and Font Color

The above settings would define how the text caption properties. The Font Name would be obtained from the fonts which are installed and available from your computer.

For large dimensions, you might want to set the Font Size to be larger so that it can be viewed. Set a Font Color which is contrasting to the background color of the image for it to be visible.

Trim Spacing from Text

When this option is unchecked, all spacing before and after the text caption would be respected. Checking this option would remove all spacing before and after the text caption, all spacing between the words would be respected.

Text Alignment

This defines where the text caption would be embedded on the image.

The various options are

- **None**
- **Top Left**
- **Top Center**
- **Top Right**
- **Middle Left**
- **Middle Center**
- **Middle Right**
- **Bottom Left**
- **Bottom Center**
- **Bottom Right**
- **Vertical Left BottomUp**
- **Vertical Left TopDown**
- **Vertical Right BottomUp**
- **Vertical Right TopDown**
- **Random**
- **Random Corner**

Setting it to None would deactivate this option. The Random option would set the caption randomly on each image and the Random Corner would do it randomly but only on the four corners.

Caption in Border

When this option is checked, a border would be added to one of the four corners as selected in the Text Alignment. The Middle Left, Middle Center and Middle Right option would not work with this option.

Background Color

This defines the background color of the border where the Text Caption would be embedded in.

Transparent Background

Checking this option would cause the Text Caption to appear with a transparency background.

Text Caption Background Color

When the Transparent Background is unchecked, a text caption would be placed with a colored background set by this option.

Drop Shadow Text

Checking this option would add the drop shadow effect for the text caption.

Watermark Properties and 2nd Watermark Properties

A Watermark is an image which would be used to overlay on the image, this can be a logo or another image which you want to add over the existing image. If you require a true transparent background for your watermark, use the PNG or GIF format image with a set alpha channel for its background color. When doing so, you could use Batch It Ultra to erase the background color so that watermark would be truly transparent.

Watermark Image

This is the image which would use as the watermark. It current supports JPEG, BMP, PNG, GIF and TIFF formats. However, only PNG and GIF supports Alpha Channel or Background color so if you require that, ensure that you save the watermark in those format with setting the transparent or alpha channel marker.

Watermark Images would not be resized and would be embedded as is.

Watermark Alignment

Watermark Alignment determines where the watermark would be included on the image.

The options are

- **None**
- **Top Left**
- **Top Center**
- **Top Right**
- **Middle Left**
- **Middle Center**
- **Middle Right**
- **Bottom Left**
- **Bottom Center**
- **Bottom Right**
- **Random**
- **Random Corner**

Setting this option to None would disable the watermark function.

Watermark Blending

For images without an alpha channel or transparent background, Batch It Ultra offers Watermark Blending which tries to simulate transparency. It would use several reference points in the images to determine what may be the background color and erase them when embedding the watermark into the image.

Use Alpha Channel

For images with an alpha channel or transparent background, the application can make use of that details and apply the transparent background. This option will only work with GIF and PNG with a transparent background or alpha channel set.

Watermark Transparency

This option determines the transparency level of the actual watermark image. 0 would be full transparency and 100 would be full opacity.

Filename Changer Properties

The Filename Changer determines how you want the filename to be renamed.

Prefix and Suffix

The Prefix is the set of characters to be tagged before the filename and the Suffix is the set of characters which would be tagged at the end of the filename before the file extensions.

Start Number

The Start Number is the number in which you want the first file to be renamed as. Subsequent files on the list would use a consecutive running number.

Restart Number at each run

When this option is checked, each time you hit the Process All button, the number would be reseted back to the Start Number for the first file. When this option unchecked, the number would continue running until you exit from the application.

This allows you to load several list of images and each new list would start with the start number if this option is checked or the number would proceed from the last number of the previous run if this option is unchecked.

Number of Digits

This determine the zero padding for the filename numbering system. If you set the Number of Digits to 4 then you would have numbers running from 0001, 0002 and onwards. If the number is longer than the number of digits, it would stop padding the image filename, for instance if you set the Number of Digits to 4 and your file numbering is 12345, it would not be padded.

Case Option

This determines the case of the filename. For Windows and the Mac which are Case-Insensitive Operating System, the case does not quite matter. However if you are deploying the images to a Linux or Unix based system which is case sensitive, this option would be relevant. Many web servers are Linux based.

The options are

- **As Is**
- **Uppercase**
- **Lowercase**
- **File Extension Uppercase Only**
- **File Extension Lowercase Only**

By default, Batch It Ultra would use lowercase file extensions when converting between formats.

Add Prefix and Suffix Only

This option when checked would turn off the Running Number option and just tag on Prefix and Suffix to the filenames.

Smart Replace

Smart Replace allows you to substitute the text in **Replace From** to the text in **Replace With**. For Smart Replace to work, you would need to check the **Add Prefix and Suffix Only** option.

Retain Original File Date Stamp

This option would tag the original file date time to the newly generated output image file. The date and time used would be the one extracted from the original file and is reflected in the File Date Time Column in Control Center.

Overwrite Files

This option only works when the **Do Filename Change Only** in Options is checked.

When this option is checked, the original files with the original filename would be deleted when the new files with the new file name is generated. When this option is unchecked, you would have both files with the original and the new filename.

Print Settings

Batch It Ultra allows you to batch print images. When you use the Print Image Only, it would print all images on the list without applying any processing.

Print Size

The Print Size allows you to determine how you want the images to be printed.

The options are

- **None** - This will disable the printing option
- **Normal** - This will print the images at the actual size
- **Fit to Page** - This will resize the images to fit the page with its ratio aspect respected

Horizontal Alignment

This option determines the horizontal layout of the images on the printed page.

The options are

- **Left**
- **Center**
- **Right**

Vertical Alignment

This option determines the vertical layout of the images on the printed page.

The options are

- **Top**
- **Center**
- **Bottom**

Main Files Properties

This is an important option as it determines where the output images would be saved in.

Target Directory/Folder

You could use the “...” to bring up the Browse for Folder dialog to select a folder in which you want to save the output images. There is a dropdown menu in this option which includes the **[source folder]** which would allow you to save all images in the original folder.

When the [source folder] is set and the filename changer is disabled, all original files would be overwritten and cannot be recovered.

Keep Sub-directory Structure

If you import the original files using **Load Folders** and selected to include all the images from the sub folders, checking this option would enable all processed images in the sub folders to retain their folder structure when **Target Directory/Folder** is set as a different folder from the source folder.

Second Resizing Properties and Third Resizing Properties

Batch It Ultra allows you to create more than one resized image at a time. This will save you time if you need to resize the image and at the same time generate a thumbnail image for the image.

To enable either the Second Resizing or Third Resizing, you would need to check the respective options and set the other properties.

All the Properties are identical to the main image resizing properties. When you set the Filename Renaming on the main Filename Changer Properties, this would be carried forward to the Second and Third Resizing. You could set the Prefix and Suffix option here to tag on to the main output filename.

Basic How To

There are several steps you would need to take in order to use Batch It Ultra.

- 1) Populating the list of images to be processed. In order to do this, you would either need to use the Load Files to load one or more files from a single folder, use Load Folders to load an entire folder of supported images with the option to include all sub folders or by Dragging and Dropping the image filenames from Windows Explorer.
- 2) Navigate to the Settings Tab and make the necessary adjustments. Ensure that the Target Directory/Folder under Main Files Properties is set. This is needed as all the output generated images would be saved in this folder. Without which, the processing would not work.
- 3) To check if the settings does what you need, check the Enable Change Preview and double click on one of the images which you have loaded. You would be able to preview the changes in the After Preview Window. To have a full view of the processed image, bring up the contextual menu in the After Preview Window and select Show Full Size.
- 4) If you are happy with the changes, you may proceed with the main processing by clicking on the Process All button. This will begin the batch image process.

Batch Filename Change

To use Batch It Ultra as a Filename Changer, you would need to check two options, **Use Filename Changer** and **Do Filename Change Only** on the left hand side Navigation Bar.

You could set up how you want your filenames would be renamed by setting the properties under [Filename Changer Properties](#).

After you have up the properties, use the **Preview Name Change** under Processing on the Navigation Bar to preview the changes to the filenames. The new file names would be reflected under New Filename column in Control Center.

If you want to manually adjust the filenames, you could do so by editing the File Names under the New Filename column. To ensure that the manual changes stick, uncheck the **Use Filename Changer** before clicking on the **Process All** button.

Batch Printing

In order to perform batch printing of all the images on the list, you would need to check the Enable Print Images under Options on the Navigation Bar. At the same time, under Print Settings, you would need to set a Print Size to something under than None.

To perform the batch printing, click on Print Image Only under Processing.

Command Line Settings

The Command Line and Server Version supports Command Line Parameters which can be used to automate the batch image process. This can be used in the Command Prompt, the Windows Scheduler or as a process controlled by a website or another application.

The Command Line Supported are

- **profile=**
- **deleteoriginal**
- **recursive**
- **autoexit**
- **minimize**
- **autostart**
- **register**

An typical command line would look something like this

batchitultra "c:\images*.*)" profile="c:\resizeimagesto640.ini" autostart recursive

The first part "batchitultra" is the filename of Batch It Ultra. You could use "batchitultra" or "batchitultra.exe".

The second part is the folder or the path to the filenames of the original image files.

The third part is the "profile=" which would load a settings profile to be used for the image processing. If you do not have this option, the last used settings would be used.

All file paths must be included inside double-quotes especially when there are spacings inside the file path. Without the double-quotes, the application would only recognize the first part of the path before the first spacing.

All parameters are case-insensitive and can be both upper or lower case.

Details of the supported Command Line Parameters

Original Image Path or files

To load individual files, you could specify the full qualifying filename with file path of the files or to load a folders of images, you could specify the full filepath with the wildcard for the filenames, this can be "*.*)" to specify any supported images in the folder or "*.jpg" if you just want to include only jpeg files to the list.

Profile=

Use this parameter to enable a pre-saved settings profile to be used in the application. The Profile file would contain all the settings to be used for this process.

DeleteOriginal

When this option is included in the command line, the original images would be deleted after the images have been processed.

Recursive

When Recursive is included in the command line and a file path is included, all files in the main and sub folders would be included.

AutoExit

The AutoExit parameter would cause the process to exit once all the images have been processed.

Minimize

The Minimize parameter would minimize, the Batch It Ultra window during processing.

AutoStart

When this is included in the command line, Batch It Ultra would automatically start the batch processing when all the files have been loaded.

Register

To upgrade from the standalone version of Batch It Ultra to the Command Line or Server version, use **BatchitUltra Register** . This will bring up the Registration Box where you could enter the new Registered Name and Key.