



CM Batch MMedia Date Changer

Table of Contents

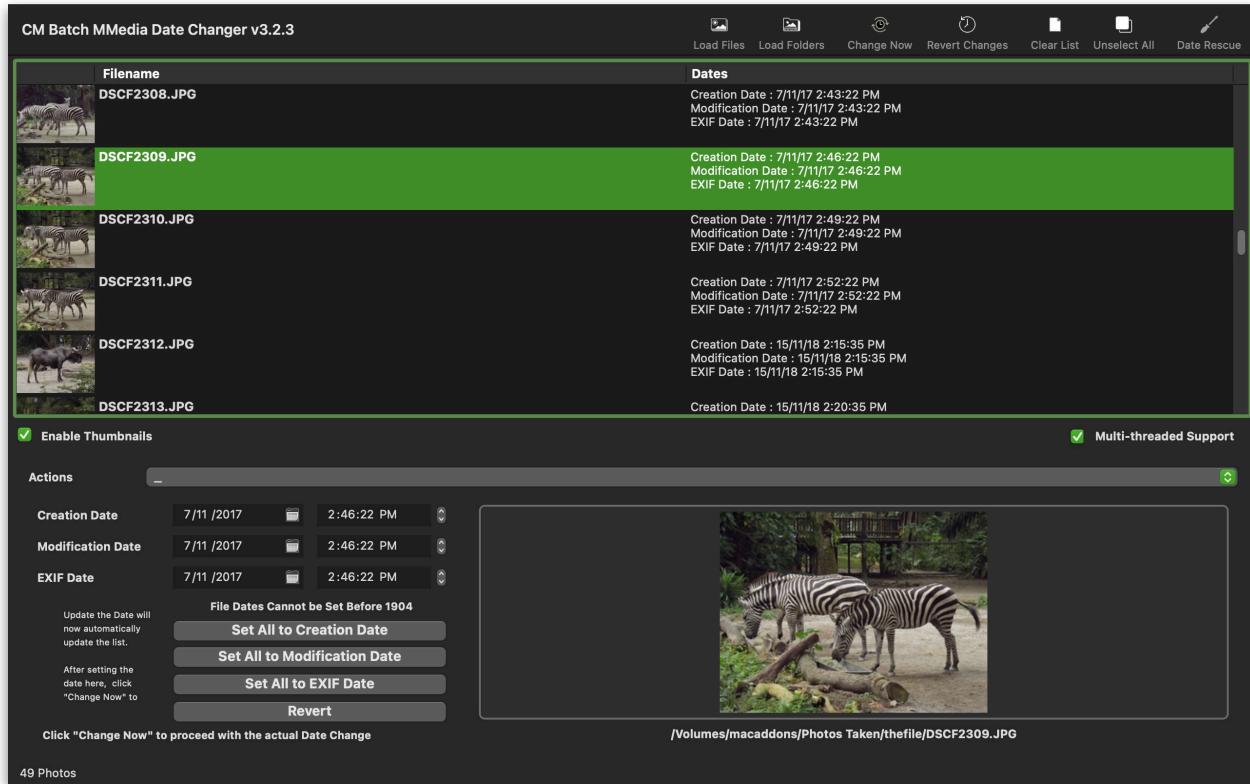
Introduction	4
Pricing Information	5
Registration Process through CREEM.IO	5
Difference Between our Web Store and Mac AppStore Versions	6
Version History	7
Updates	18
System Requirement	18
Supported Photos and Videos Formats	19
Types of Dates	20
Creation Date	20
Modification Date	20
EXIF Date	20
Word about Dates	20
Basic How To	21
Step 1 Load Photos and Videos to the List	21
Step 2 Selecting the new Dates	21
Step 3 Perform the Date Change	22
Interface Walkthrough	23
Tool Bar	24
Load Files	24
Load Folders	24
Change All Now	24
Change Selected Only	24
Revert Changes	24
Clear List	25
Unselect All	25
Date Rescue	25
Register	25
File Listing	26

CM Batch MMedia Date Changer

This Photo or Video Properties	26
Actions / Tabs	27
Set All to Creation Date and Time	27
Set All to Modification Date and Time	27
Set All to EXIF Date and Time	27
Use Fixed Date Change	27
Use Variable Date Change	28
USE Incremental Date Change	29
Multi-threaded Support	29
Backup Properties	31
Date Rescue	32
Contact Information	34

Introduction

CM Batch MMedia Date Changer started out as CM Batch JPEG Date Changer which born due to my own need when time and time again after taking pictures on my digital camera and finding out that the dates are wrong particularly when batteries go flat or when I am out traveling at a different time zone.

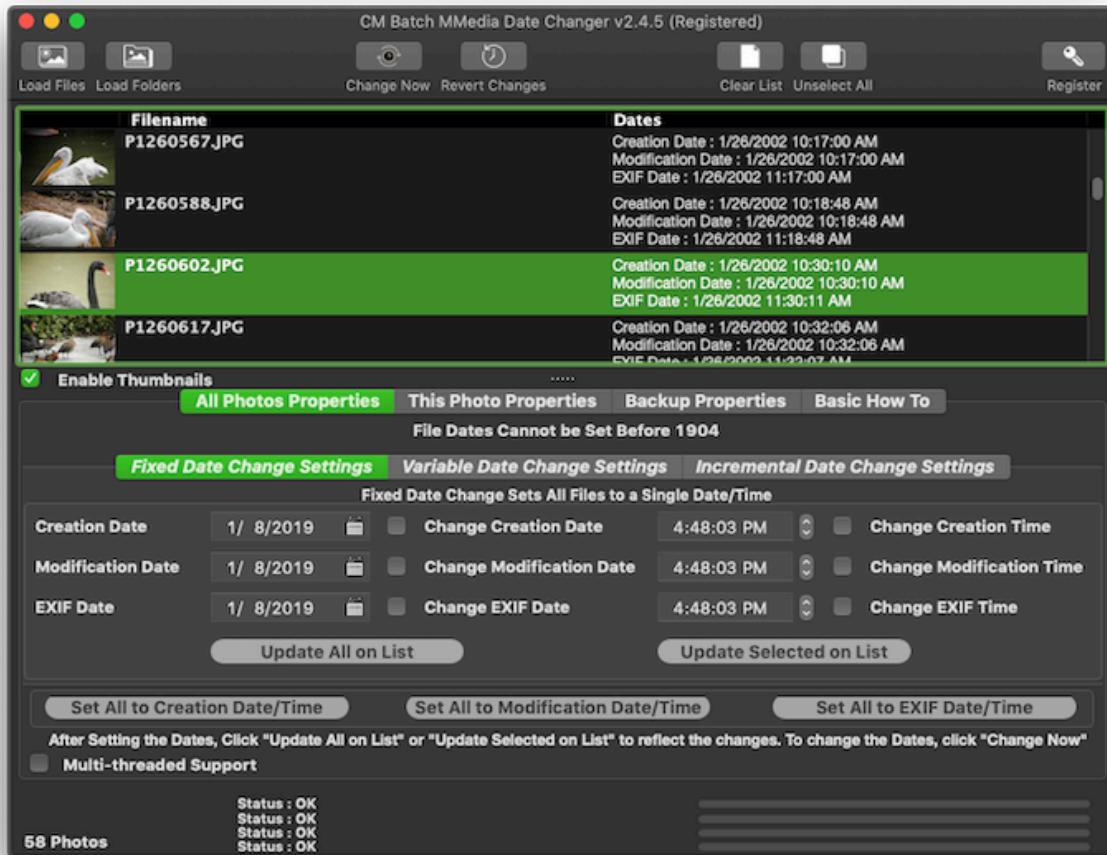


Using built-in tools, I could only batch change all the file creation and modification date to a single static date and time or work on them one at a time. It is laborious and does not address the issue of EXIF header dates which photo cloud services such as Google Photo uses. EXIFTTool does help in changing the EXIF header dates but the command line can be quite complicated to set up especially with the scripting.

CM Batch MMedia Date Changer takes a visual two step approach where you can see visually the dates and when you set them up the method you want to change the dates, you can preview the new date and time for each photo or video and proceed with the change when you are happy.

In 2018, we had request to add different photo formats such as RAW camera formats and also Video files and that got us thinking how best to implement them. Once the app started handle more formats than just JPEG, we initiated a name change to CM Batch MMedia Date Changer, the MMedia stands for Multimedia which includes both photos and videos format.

CM Batch MMedia Date Changer



Pricing Information

We currently offers CM Batch MMedia Date Changer on our website through our fulfillment agent, CREEM.IO or through the Mac App Store.

Order through CREEM.IO US\$11.95

https://www.creem.io/payment/prod_tqVibvvEBZWJ9mTFjF3UJ

Order through the Mac App Store US\$11.99

<https://itunes.apple.com/us/app/cm-batch-mmedia-date-changer/id1105847050?ls=1&mt=12>

Registration Process through CREEM.IO

After you purchase a license through CREEM.IO, we will send you the unlock information via an email within 24 hours. The license file will comes with a file extension **.cmmlic** .

On the CM Batch MMedia Date Changer toolbar, you will find the Register button. Click on that and the above will appear. Click **Select License File** and select the file you have just

downloaded from our license email. Give it a few seconds for it to validate and that's all you need to do. Once validated, you should see your order particulars in the box and in the About page.

Difference Between our Web Store and Mac AppStore Versions

- **Trial Versions** - We are able to provide a risk free 14 days trial versions through our website which lets you try before you buy. The Trial Version allows you to test the app which will process the first 20 photos on the list. The licensed version does not have that restriction.

On the other hand, the Mac App Store does not allow us to do so.

- **Sandboxing** - Apple has their customers security in mind when they require all apps sold on the Mac AppStore to be sandboxed. This means that the app can only work within its sandbox folder and without your intervention, the app would not be permitted to work on any external files or folders. The user would need to explicitly grant the app write permission to use the files and folders that you as the user selected. Even the simple task of renaming a file would require both the user to first pick the file and subsequently the same folder in which the file is located in order for it to be able to rename in place. As such we had to find workarounds to get our apps to work and features which cannot be handled are simply not added.

For the Mac App, you will be prompted to grant write permission to the folders which contains the files so that it can work on the dates of those files.

- **Licensing** - The Mac AppStore license let you install the app on up to 5 computers that you own while ours offers up to 2 computers.
- **Notarization** - For the Mac AppStore, apps go through the process of code signing, sandboxing and manual review by their review team but for the apps sold through our website will still go through Apple's code signing processing, be submitted to the Apple's Notarization server to be digitally reviewed before being certified to be safe via their app stapling process.

Version History

v2.0.0	<ul style="list-style-type: none"> This update improves on the File Listing. We made the background of the List to Black so that it is consistent with the rest of the UI and also fixed the issue about the invisible scrollbar.
v2.0.1	<ul style="list-style-type: none"> This update improves on the File Listing. We made the background of the List to Black so that it is consistent with the rest of the UI and also fixed the issue about the invisible scrollbar.
v2.0.2	<ul style="list-style-type: none"> In this update, we fixed a resizing bug.
v2.0.4	<ul style="list-style-type: none"> Internal updates
v2.0.5	<ul style="list-style-type: none"> Fixed bug which causes MP4 Files not to be selectable when using Load Files Reworked the File Date Changing sequence for MP4 and MOV videos. It should be a lot faster now
v2.0.6	<ul style="list-style-type: none"> Internal framework update Increased the text size on the grid by 1 pixel
v2.0.7	<ul style="list-style-type: none"> In this update, we had the app detect if you made changes in the "This Photo Properties" to a photo but had not clicked the "Update Date On List" prior to doing the Change Now. Included in this update is a fix which prevents a crash when the "Change Now" button is pressed two or more times before the change process ends.
v2.0.8	<ul style="list-style-type: none"> App Enhancement
v2.1.0	<ul style="list-style-type: none"> Now requires OS X 10.9 or later. The app now remembers the last used folder location within the session.
v2.1.1	<ul style="list-style-type: none"> Internal updates
v2.1.2	<ul style="list-style-type: none"> Internal updates
v2.2.1	<ul style="list-style-type: none"> We found a way to let you set the File Creation and File Modification Year back to 1904. Added beta support for CR2 Files.
v2.2.2	<ul style="list-style-type: none"> Faster CR2 Preview
v2.2.3	<ul style="list-style-type: none"> Much faster CR2 Preview
v2.2.4	<ul style="list-style-type: none"> Added Support for Nikon RAW (NEF) Photo Format

CM Batch MMedia Date Changer

v2.2.5	<p>Added:</p> <ul style="list-style-type: none"> Support for MPG, AVI, 3GP, 3G2 Movie Player to Preview Video Video Thumbnails to the File Listing Option to Enable or Disable Thumbnails <p>Fixed:</p> <ul style="list-style-type: none"> Splitter bar not aligning when the app is resized Issue where two vertical scrollbars are showing
v2.2.6	<ul style="list-style-type: none"> Added Support for M4V files
v2.2.7	<ul style="list-style-type: none"> Improved Date Checks Now there is no need to press "Update Date on List" as they are automatically updated on the list when the date in the "This Photo's Properties" is changed
v2.3.1	<ul style="list-style-type: none"> Added Olympus ORF Raw Format Support Change app name from CM Batch JPEG Date Changer to CM Batch MMedia Date Changer
v2.3.2	<ul style="list-style-type: none"> Interface Update
v2.3.3	<ul style="list-style-type: none"> Enhancement to the Creation and Modification Date change routine
v2.3.4	<ul style="list-style-type: none"> Internal Bug Fixes
v2.3.5	<ul style="list-style-type: none"> Improved the Calendar dropdown menu
v2.3.6	<ul style="list-style-type: none"> Fixed bug which causes the app to crash when it is unable to access the photo or movie file
v2.3.7	<ul style="list-style-type: none"> Improved Movie Player Support
v2.3.8	<ul style="list-style-type: none"> Updated Internal Scripts Code Optimisation
v2.3.9	<ul style="list-style-type: none"> Updated to support MacOS 10.14 Dark Mode
v2.4.0	<ul style="list-style-type: none"> Improved Mojave's Dark Appearance Support
v2.4.1	<ul style="list-style-type: none"> Improved Switching Between Dark and Light Appearance in Mojave
v2.4.2	<ul style="list-style-type: none"> Improved the date changing engine Added the option to backup original photos and movies
v2.4.3	<ul style="list-style-type: none"> Several internal updates including updating the checkboxes. Now checking the text of the checkboxes will toggle them
v2.4.5	<ul style="list-style-type: none"> Released as a 14 Days Trial Version App on our website Internal Improvement
v2.4.6	<ul style="list-style-type: none"> Enabled Runtime Hardening Improved Date and Time Dropbox Support
v2.4.7	<ul style="list-style-type: none"> Reworked the Licensing Module

CM Batch MMedia Date Changer

v2.4.8	<ul style="list-style-type: none"> Reworked the Date Changing Module for the non Mac AppStore version. The prior method requires a roundabout way of performing the date change as the Mac Sandbox does not permit writing of temporary files or renaming files and thus we had to make a copy in the sandbox area, perform the date change, delete the original and copy the sandbox copy to the original place. This can cause issue at times. Now with the ability to just write directly to the original folder will reduce the likelihood of failure
v2.4.9	<ul style="list-style-type: none"> Internal Updates
v2.5.0	<ul style="list-style-type: none"> Fixed Incremental Dates showing up wrongly when setting a day after 28th of the month when performing the date change in February
v2.5.1	<ul style="list-style-type: none"> Internal Code Optimisation
v2.5.2	<ul style="list-style-type: none"> Fixed bug which causes the app to crash when the filename contains slashes “/”
v2.5.3	<ul style="list-style-type: none"> Reworked the Date Changing Module for the Mac AppStore Version Internal Code Optimisation
v2.5.5	<ul style="list-style-type: none"> Added TIFF Support Fixed bug where MPG, AVI, 3GPP not enabled when using the Load Files
v2.6.0	<ul style="list-style-type: none"> Added Support for HEIC Image Format Internal Code Optimisation
v2.6.1	<ul style="list-style-type: none"> Rewrote the thumbnail on the File Listing module
v2.6.2	<ul style="list-style-type: none"> Added Support for Canon CR3 Image Format Speed Up Loading of RAW Photos
v2.6.3	<ul style="list-style-type: none"> Improved Loading of Large List of Photos
v2.6.4	<ul style="list-style-type: none"> Added Support for Pentax (PEF), Mamiya (MEF), FujiFilm (RAF), Panasonic (RW2), Samsung (SRW) and Adobe RAW (DNG) Image Formats.
v2.6.5	<ul style="list-style-type: none"> Updated for App Store version. Rewrote Code to Seek for Write Permissions
v2.6.6	<ul style="list-style-type: none"> Fixed a bug which causes the Hasselblad RAW photos not to be added to the list
v2.6.7	<ul style="list-style-type: none"> Reworked the File Loading module by optimising the process to get the photo thumbnails and the respective dates. This shaves off several milliseconds per photo.
v2.6.8	<ul style="list-style-type: none"> Added Support for Minolta RAW (MRW) and Nikon RAW (NRW)
v2.6.9	<ul style="list-style-type: none"> Fixed Photos not showing in the correct orientation based on the EXIF Header
v2.7.0	<ul style="list-style-type: none"> Removed the Hasselblad RAW support as the EXIF Dates could not be modified
V2.7.1	<ul style="list-style-type: none"> Fixed Photos Previews not showing up if Orientation Tag is missing in the EXIF header
v2.7.2	<ul style="list-style-type: none"> Updated Code Signing Certificate Updated Internal Framework

CM Batch MMedia Date Changer

v2.7.3	<ul style="list-style-type: none"> • Updated to support MacOS 10.15 Catalina • Updated underlying frameworks
v2.7.4	<ul style="list-style-type: none"> • Fixed an issue where a M4V video date shows up with years some time in the future.
v2.7.5	<ul style="list-style-type: none"> • Fixed a crash when a DNG photo is dragged into the File Listing • Fixed an issue where the Write Permission is Granted but the app intermittently did not acknowledge it (AppStore Version Only) • Fixed an incompatible date caused by prior versions • Updated the Date Engine so that the unnecessary dates are no longer added to the Photos or Videos
v2.7.6	<ul style="list-style-type: none"> • Internal Bug Fixes
v2.7.7	<ul style="list-style-type: none"> • Fixed a bug where the File Creation and Modification Date are reported wrongly on the File Listing
v2.7.8	<ul style="list-style-type: none"> • Fixed a bug where the App asked for Write Permission to a folder which has already been granted the permission in the second run (AppStore Version Only) • Rewrote the codes to support the new framework
v2.7.9	<ul style="list-style-type: none"> • Optimize the Date Changing Module to reduce the lag time at the start of processing • Updated Underlying Framework • Set the Quicktime Time as Local Time instead of UTC Time
v2.8.0	<ul style="list-style-type: none"> • Added the Date Rescue Module which can fix File Creation and Modification dates which are malformed or damaged by the system. • Speed Up Loading of Large List
v2.8.1	<ul style="list-style-type: none"> • Fixed a bug which causes the app to crash when a single movie file is loaded to the list
v2.8.2	<ul style="list-style-type: none"> • Fixed JPEG Photo with a malformed header not showing up in the preview
v2.8.3	<ul style="list-style-type: none"> • Updated the underlying framework
v2.8.4	<ul style="list-style-type: none"> • Updated the underlying framework • In the "This Photo Properties" now show the full file path instead of just the filename
v2.8.5	<ul style="list-style-type: none"> • Improved Support for DNG
v2.8.6	<ul style="list-style-type: none"> • Increase the speed of processing by reworking the codes under the hood • The Multithread Option is now enabled by default
v2.8.7	<ul style="list-style-type: none"> • Speed up the Thumbnail Generation
v2.8.8	<ul style="list-style-type: none"> • Improved the Thumbnail Image Quality
v2.8.9	<ul style="list-style-type: none"> • Improved Support for HEIC
v2.9.0	<ul style="list-style-type: none"> • Updated the underlying framework
v2.9.1	<ul style="list-style-type: none"> • Overhauled the underlying framework • Improved the Date Dropbox

CM Batch MMedia Date Changer

v2.9.2	<ul style="list-style-type: none"> • Updated the underlying framework • Speed up the Date changing processing
v2.9.3	<ul style="list-style-type: none"> • Reworked the Load Files module • Reworked the Time Dropbox
v2.9.4	<ul style="list-style-type: none"> • Updated the underlying framework
v2.9.5	<ul style="list-style-type: none"> • Reworked PNG module to support EXIF Dates
v2.9.6	<ul style="list-style-type: none"> • Reworked Date Dropdown box • Updated underlying framework • Improved HEIC Support
v2.9.7	<ul style="list-style-type: none"> • Fixed a bug which causes Date Rescue not to encode a weird date if the file dates are set before January 1st 1970
v2.9.8	<ul style="list-style-type: none"> • Improved TIFF Support
v2.9.9	<ul style="list-style-type: none"> • Updated Time Dropbox • Updated Underlying Framework
v3.0.0	<ul style="list-style-type: none"> • Added Format Filter for Load Folders so you can load specific photo or video format • Updated the Underlying Framework
v3.0.1	<ul style="list-style-type: none"> • Updated the underlying framework
v3.0.2	<ul style="list-style-type: none"> • Fixed issue writing to Quicktime Language Code
v3.0.3	<ul style="list-style-type: none"> • Improved Olympus Camera RAW if it is not supported by the MacOS System Wide RAW Photo Support.
v3.0.4	<ul style="list-style-type: none"> • Fixed Crash when Drag and Dropping Fuji RAW RAF, Samsung RAW and Panasonic RAW photos to the list • Added RAW Support for Olympus C3030Z, C5050Z, C5060WZ, C740UZ, C740UZ, C770UZ, X200, D560Z, C350Z, E-5, E-10, E-20, E-20N, E-20P, E-420, E-510, E-P5, E-PL6, E-PL7, E-PL10, SP-310, SP-320, SP-350, SP-500UZ, SP-510UZ, SP-550UZ, SP-560UZ, SP-565UZ, SH-2, SH-3, TG-5, TG-6, XZ-2 and XZ-10 • Added RAW Support for Minolta A1, A2, DiMage 7HI, DiMage 7I • Added RAW Support for Fuji E550, E900, F600XR, F700, FinePix HS10, FinePix S200EXR, FinePix F900EXR, S5000, S5600, S5200, S6500FD, S9500, S9600, X10, X20, HS20EXR • Added RAW Support for Nikon E-5400, E-5700 • Added RAW Support for Panasonic FZ28
v3.0.5	<ul style="list-style-type: none"> • Code Optimisation • Updated Underlying Framework
v3.0.6	<ul style="list-style-type: none"> • Updated Underlying Framework
v3.0.7	<ul style="list-style-type: none"> • Updated Underlying Framework • Updated UI
v3.0.8	<ul style="list-style-type: none"> • Updated UI • Updated Underlying Framework

CM Batch MMedia Date Changer

v3.0.9	<ul style="list-style-type: none"> • Updated UI • Updated Underlying Framework
v3.1.0	<ul style="list-style-type: none"> • Updated for Big Sur • Updated Underlying Framework
v3.1.1	<ul style="list-style-type: none"> • Updated Underlying Framework
v3.1.2	<ul style="list-style-type: none"> • Added Apple Silicon Native Support • Updated Underlying Framework • Fixed Clear List bug
v3.1.3	<ul style="list-style-type: none"> • Updated Underlying Framework • Minor UI Update
v3.1.4	<ul style="list-style-type: none"> • Improved Loading of JPEG Thumbnails
v3.1.5	<ul style="list-style-type: none"> • Remove support for AVI, MTS, MPG and PNG as they do not support EXIF Headers • Updated Underlying Framework
v3.1.6	<ul style="list-style-type: none"> • Updated Underlying Framework
v3.1.7	<ul style="list-style-type: none"> • Updated Underlying Framework • Reworked the Time Dropbox
v3.1.8	<ul style="list-style-type: none"> • Mac App Store Version - The Trial Copy has been Released as the Mac App Store Version in v3.1.7. This fixes the issue.
v3.1.9	<ul style="list-style-type: none"> • Updated UI • Internal Code Optimisation
v3.2.0	<ul style="list-style-type: none"> • Improved ARM Support • Updated Underlying Framework
v3.2.1	<ul style="list-style-type: none"> • Updated Underlying Framework
v3.2.2	<ul style="list-style-type: none"> • The File Listing now supports Select All and DeSelect All
v3.2.3	<ul style="list-style-type: none"> • Speed Up the Date Changing Process • Moved the Progress Bars to a Modular Window • Internal Code Optimisation • UI Update
v3.2.4	<ul style="list-style-type: none"> • Minor UI Update around the Actions Drop menu
v3.2.5	<ul style="list-style-type: none"> • Provide Options to Toggle Between the Original Tabs and the Actions Dropbox using the "Use New Style Actions Box UI"
v3.2.6	<ul style="list-style-type: none"> • Updated Underlying Framework
v3.2.7	<ul style="list-style-type: none"> • Updated Underlying Framework • Minor UI Update
v3.2.8	<ul style="list-style-type: none"> • Fixed Updating the This Photo Properties does not update the entry on the File Listing • Fixed Incremental Date Change in the Tab UI does not update the incremental interval

CM Batch MMedia Date Changer

v3.2.9	<ul style="list-style-type: none">• Updated Underlying Framework• Fixed Basic How To Font showing as White under Light Appearance
v3.3.0	<ul style="list-style-type: none">• Updated Underlying Framework• Added Support for PNG Images
v3.3.1	<ul style="list-style-type: none">• Fixed crash when launched in MacOS 10.13 (High Sierra) and below
v3.3.2	<ul style="list-style-type: none">• Updated Underlying Framework• Internal Code Optimisation
v3.3.3	<ul style="list-style-type: none">• Updated Underlying Framework
v3.3.4	<ul style="list-style-type: none">• Updated Underlying Framework
v3.3.5	<ul style="list-style-type: none">• Updated Underlying Framework
v3.3.6	<ul style="list-style-type: none">• Updated Underlying Framework
v3.3.7	<ul style="list-style-type: none">• Updated Underlying Framework
v3.3.8	<ul style="list-style-type: none">• Improved Loading of Movie Files• Fixed the text overlaying on the progress bar when the filename is long
v3.3.9	<ul style="list-style-type: none">• Updated UI• Updated Underlying Framework
v3.4.0	<ul style="list-style-type: none">• Updated UI• Updated Underlying Framework
v3.4.1	<ul style="list-style-type: none">• Updated UI• Updated Underlying Framework
v3.4.2	<ul style="list-style-type: none">• Added JPEG 2000 Support
v3.4.3	<ul style="list-style-type: none">• Updated Underlying Framework
v3.4.4	<ul style="list-style-type: none">• Updated Underlying Framework• Internal Code Optimisation
v3.4.5	<ul style="list-style-type: none">• Fixed MOV EXIF Date saving as UTC Date Time instead of Local Date Time
v3.4.6	<ul style="list-style-type: none">• Updated Underlying Framework
v3.4.7	<ul style="list-style-type: none">• Updated Underlying Framework• Internal Code Optimisation
v3.4.8	<ul style="list-style-type: none">• Updated Underlying Framework
v3.4.9	<ul style="list-style-type: none">• Updated Underlying Framework• Internal Code Optimisation
v3.5.0	<ul style="list-style-type: none">• Internal Code Optimisation
v3.5.1	<ul style="list-style-type: none">• Updated Underlying Framework• Internal Code Optimisation

CM Batch MMedia Date Changer

v3.5.2	<ul style="list-style-type: none"> * Internal Code Optimisation * Minor UI Update
v3.5.3	<ul style="list-style-type: none"> * Fixed a bug which causes some photos not to be processed in Multi-Threading mode
v3.5.4	<ul style="list-style-type: none"> • Improved Performance for JPEG and DNG Images • Fixed where Dragging and Dropping PNG does not get included to the list
v3.5.5	<ul style="list-style-type: none"> • Reworked Video Date module
v3.5.6	<ul style="list-style-type: none"> • Made changes to the Drag and Drop Module
v3.5.7	<ul style="list-style-type: none"> • Reworked internal codes • Fixed Date Checkboxes are automatically selected when the date are changed now • Reworked the Clear List
v3.5.8	<ul style="list-style-type: none"> • Fixed an issue where the video file dates are not changed
v3.5.9	<ul style="list-style-type: none"> • Updated Underlying Framework
v3.6.0	<ul style="list-style-type: none"> • Updated Underlying Framework
v3.6.1	<ul style="list-style-type: none"> • Updated Underlying Framework
v3.6.2	<ul style="list-style-type: none"> • Updated Underlying Framework • Reworked Loading Files module
v3.6.3	<ul style="list-style-type: none"> • Updated Underlying Framework • Internal Code Optimisation
v3.6.4	<ul style="list-style-type: none"> • Reworked Update Module • Updated Underlying Framework • Fixed Video Player issue
v3.6.5	<ul style="list-style-type: none"> • Updated Underlying Framework • Internal Code Optimisation
v3.6.6	<ul style="list-style-type: none"> • Updated Underlying Framework • Fixed issue where the video player is showing when image is selected • Removed the new style UI • Minor UI Fixes
v3.6.7	<ul style="list-style-type: none"> • Fixed Issues with Light Appearance
v3.6.8	<ul style="list-style-type: none"> • Added HEIF Support
v3.6.9	<ul style="list-style-type: none"> • Added HIF Support • Reworked the Thumbnail Preview module
v3.7.0	<ul style="list-style-type: none"> • Minor UI Fixes • Updated Underlying Framework
v3.7.1	<ul style="list-style-type: none"> • Updated Underlying Framework
v3.7.2	<ul style="list-style-type: none"> • Fixed Multi-select function got disabled

CM Batch MMedia Date Changer

v3.7.3	<ul style="list-style-type: none">• Updated Underlying Framework
v3.7.4	<ul style="list-style-type: none">• Updated Underlying Framework
v3.7.5	<ul style="list-style-type: none">• Internal Code Optimization• Minor UI Fixes
v3.7.6	<ul style="list-style-type: none">• Fixed Video Formats date reverting to original
v3.7.7	<ul style="list-style-type: none">• Updated Underlying Framework
v3.7.8	<ul style="list-style-type: none">• Updated Underlying Framework
v3.7.9	<ul style="list-style-type: none">• Updated Underlying Framework
v3.8.0	<ul style="list-style-type: none">• Minor UI Fixes• Updated Underlying Framework
v3.8.1	<ul style="list-style-type: none">• Improved Error Checking if encounter a faulty thumbnail to prevent a crash
v3.8.2	<ul style="list-style-type: none">• Added Support for macOS 10.14 and above
v3.8.3	<ul style="list-style-type: none">• Improved EXIF Support for Sony ARW
v3.8.4	<ul style="list-style-type: none">• Updated Underlying Framework• Minor UI Fixes
v3.8.5	<ul style="list-style-type: none">• Updated Underlying Framework• Minor UI Fixes
v3.8.6	<ul style="list-style-type: none">• Updated Underlying Framework
v3.8.7	<ul style="list-style-type: none">• Updated Underlying Framework
v3.8.8	<ul style="list-style-type: none">• Updated Underlying Framework• Minor UI Fixes• Added AVIF Image Format
v3.8.9	<ul style="list-style-type: none">• Updated Underlying Framework
v3.9.0	<ul style="list-style-type: none">• Updated Underlying Framework
v3.9.1	<ul style="list-style-type: none">• Internal Code Optimization• Additional Image Integrity Checks
v3.9.2	<ul style="list-style-type: none">• Updated Underlying Framework
v3.9.3	<ul style="list-style-type: none">• Updated Underlying Framework• Fixed a possible crash in the AppStore Version
v3.9.4	<ul style="list-style-type: none">• Fixed a possible crash at startup when running on macOS 11 Big Sur
v3.9.5	<ul style="list-style-type: none">• Updated Underlying Framework
v3.9.6	<ul style="list-style-type: none">• Updated Underlying Framework

CM Batch MMedia Date Changer

v3.9.7	<ul style="list-style-type: none"> • Reworked the EXIF Module • Minor UI Fixes
v3.9.8	<ul style="list-style-type: none"> • Added Support for JPEG XL Format
v3.9.9	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.0.0	<ul style="list-style-type: none"> • Updated Underlying Framework • Reworked the Date Changing Module • Fixed Progress bar reaching full before the process is completed
v4.0.1	<ul style="list-style-type: none"> • Fixed Creation and Modification Date not encoding correctly • Updated Underlying Framework
v4.0.2	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.0.3	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.0.4	<ul style="list-style-type: none"> • Added Option to Change Dates on selected Media on the list
v4.0.5	<ul style="list-style-type: none"> • Change the Change Selected Only Icon for improved compatibility for macOS 12 and below compatibility • Fixed the Progress Window not popping up after clicking Change Selected Only with no selected items and Change All Now later.
v4.0.6	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.0.7	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.0.8	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.0.9	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.1.0	<ul style="list-style-type: none"> • Updated Underlying Framework • Minor UI Fixes
v4.1.1	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.1.2	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.1.3	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.1.4	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.1.5	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.1.6	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.1.7	<ul style="list-style-type: none"> • Updated Underlying Framework
v4.1.8	<ul style="list-style-type: none"> • Updated Underlying Framework • Minor UI Fixes
v4.1.9	<ul style="list-style-type: none"> • Updated Underlying Framework • Minor UI Fixes
v4.2.0	<ul style="list-style-type: none"> • Updated Underlying Framework

CM Batch MMedia Date Changer

v4.2.1	<ul style="list-style-type: none">• Updated Underlying Framework• Minor UI Fixes
v4.2.2	<ul style="list-style-type: none">• Updated Underlying Framework• Minor UI Fixes
v4.2.3	<ul style="list-style-type: none">• Updated Underlying Framework• Minor UI Fixes• Minimum Requirement Raised to macOS 11 Big Sur
v4.2.4	<ul style="list-style-type: none">• Updated Underlying Framework
v4.2.5	<ul style="list-style-type: none">• Updated Underlying Framework• Minor UI Fixes

Updates

Our apps would go through regular updates and bug fixes and this is offered for free.

On the Mac AppStore, all updates are automatically alerted and can be updated on the Mac AppStore.

For our website version, go to the Help > Check for Updates to check if there is any updates available or on our website at <https://www.completemagic.com> . Just download the DMG file and drag the App file over to the Applications folder as always.

System Requirement

CM Batch MMedia Date Changer requires macOS 11 Big Sur and above. Supports Intel and Apple Silicon Natively.

Supported Photos and Videos Formats

Photo Formats

- JPEG
- JPEG 2000
- HEIC/HEIF/HIF*
- AVIF*
- DNG (Adobe RAW)*
- CR2 (Canon RAW v2)*
- CR3 (Canon RAW v3)*
- RAF (Fujifilm RAW)*
- MEF (Mamiya RAW)*
- MRW (Minolta RAW)*
- NEF (Nikon RAW)*
- ORF (Olympus RAW)*
- RW2 (Panasonic RAW)*
- PEF (Pentax RAW)*
- SRW (Samsung RAW)*
- SR2 and ARW (Sony RAW)*
- TIFF
- PNG**
- JPEG XL*

Video Formats

- MP4*
- M4V*
- MOV*
- MQV*
- 3GP*
- 3G2*

* Supported by macOS System Level RAW Image Framework listed at <https://support.apple.com/en-us/HT210191>. Although Apple supports a wide number of digital camera raw formats, it may not support older or recently released models. They do from time to time include new cameras support. When CM Batch MMedia Date Changer encounters a non supported camera, it will resort to retrieving a thumbnail and EXIF date using an alternate method.

**PNG does not support traditionally include EXIF Data but CM Batch MMedia Date Changer will attempt to insert it.

Types of Dates

There are three dates that each photo files have and let's explore each of them a little more detail.

Creation Date

The Creation Date is used by any file system be it OS X, Linux or Windows and will indicate the date and time in which the file was originally created. All files of any kind will have this date.

Modification Date

If the file has not been modified or change in any ways, the modification date will be the same as the creation date.

For instance if you open the photo in the Preview app and make changes to the color contrast and save it, the modification date will reflect the date and time of the last change.

So if the modification date is different from the creation date, the file would have been modified in one form or another.

EXIF Date

EXIF stands for Exchangeable Image File Format which typically stores the meta data in regards to the photos. The meta data are typically information that pertains to the photos and typically added by the digital camera or phone. In most cases, this will include details such as camera settings used such as shutter speed, aperture settings and so on. If the camera is equipped with GPS such as the iPhone, it will also include the GPS location in it.

When the camera takes the photo, it will add the digitised date time to the EXIF meta data. You can rename the file, copy or modify it but it will typically not change the EXIF details.

Google Photos uses the EXIF Date to sort the photos in their storage database and does not use the file date.

Word about Dates

Under the Unix file system such as Mac OS, dates can go back to as far as January 1st 1970 and setting dates before that time might cause them to list incorrectly. This however does not affect the EXIF dates which can go back as far as you want it to.

Our app supports mechanism to go back to 1904, this might change if there is changes to the underlining operating system.

Basic How To

CM Batch MMedia Date Changer uses a two-step process. The first step to update the dates on the photos & videos on the list using the **Update All on List** or **Updated Selected on List** and the second step to update the actual photos & videos by using the **Change Now**. This so that you can determine if the dates are as you want before you perform the change on the files.

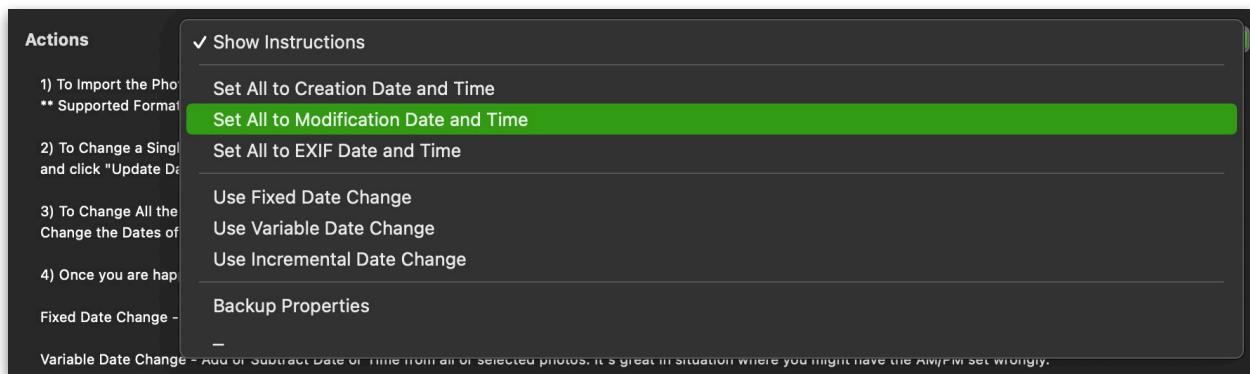
STEP 1 LOAD PHOTOS AND VIDEOS TO THE LIST

There are 3 ways of add photos and videos either using the **Load Files** (which let you select one or more files), **Load Folders** (which let you select all the supported files and subfolders from the folder. You can select the file type to load) or by **Dragging and Dropping** the files to the list.

If the format is not supported, it would not be added to the list.

STEP 2 SELECTING THE NEW DATES

To change the date and time of a photo/video at a time, click the filename which would switch the tab to "This Photo Properties". From there, you can use the date and time dropdown to select the date you want for that file.



To change the date and time of all or selected photos and videos, use one of the seven methods from the Action Popup Menu.

- Set All to Creation Date and Time
- Set All to Modification Date and Time
- Set All to EXIF Date and Time
- Use Fixed Date Change
- Use Variable Date Change
- Use Incremental Date Change

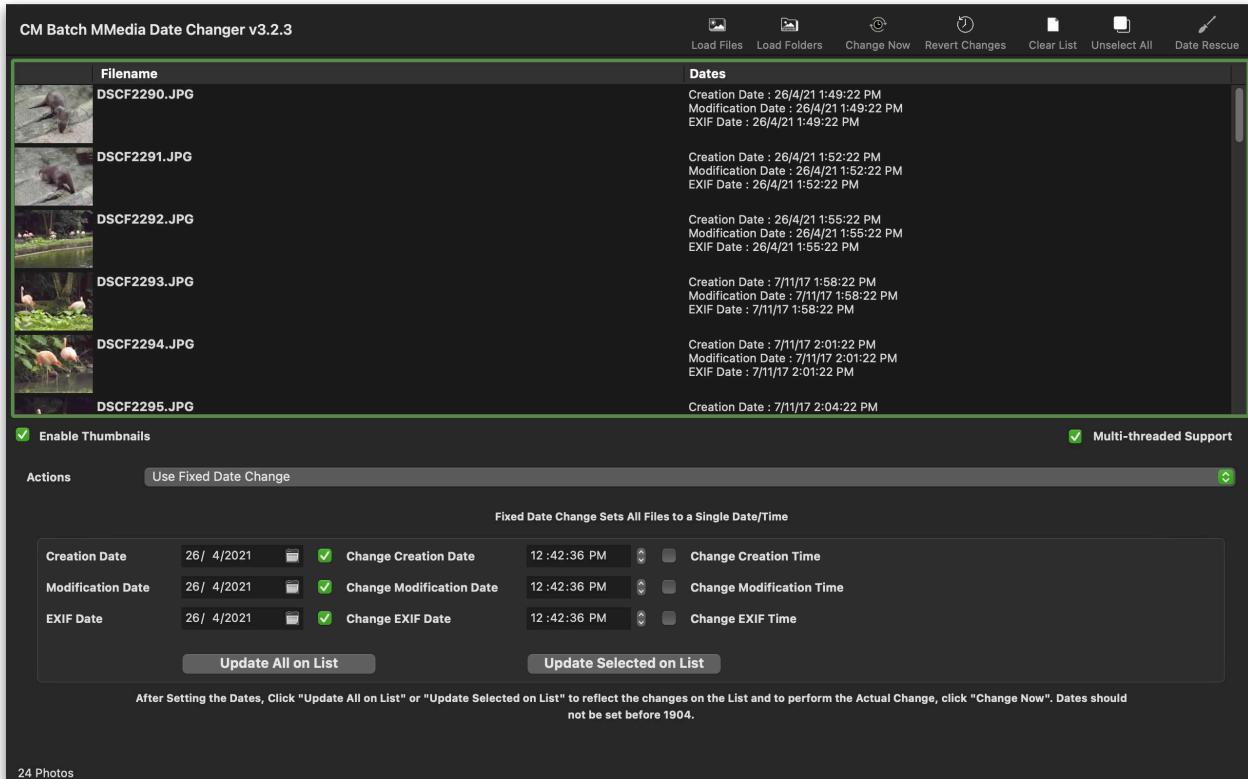
After setting the date formats, click the **Update All on List** or for selected files, click the **Update Selected on List** which would update the dates on the file listing.

STEP 3 PERFORM THE DATE CHANGE

Once you are happy with the new dates on the File Listing, click **Change All Now** to perform the actual date change on the photos and videos on the list.

To change only selected photos and videos on the list, select those you want to change and click **Change Selected Only**.

Interface Walkthrough

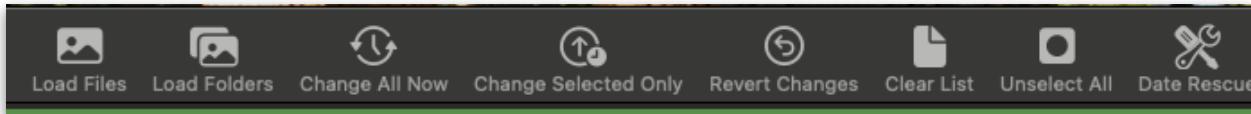


On the top is the Tool bar which contains the controls needed to Load, Clear, Change Now and so on.

Below that is the file listing which includes a thumbnail of the photo, the file name and the various dates such as Creation, Modification and EXIF dates.

Under the file listing are the various options to control the dates which let's you change individual file, batch change to a fixed date, variable date and incremental dates. We will get to that later.

Tool Bar



LOAD FILES

The Load Files let you pick one or more files from a single folder. You can certain use it several times to pick files from different folders.

Selected files would be added to the File Listing below with the respective dates and times.

If no EXIF date is found, the Creation Date will be used as the EXIF Date.

LOAD FOLDERS

Like the Load Files, Load Folders let you pick a folder to include files from it. It will also prompt if you want to add files from the sub folder.

You can filter to load all support formats, photos or video types or just narrow down to one format.

CHANGE ALL NOW

CM Batch MMedia Date Changer takes a two step approach to changing your File Dates and Any Changes made using the Settings are not committed until you hit the Change Now button.

You can make as much changes as you want until you are satisfied before hitting the Change Now button.

Only dates which are different from the original would be changed.

CHANGE SELECTED ONLY

Similar to the Change All Now, Change Selected Only will change the dates of the images or videos which you have selected from the list.

REVERT CHANGES

This option would revert the original date and time after the Change Now button has been clicked. This only works if the list is not cleared. This is a slow process and we encourage you to use the Backup Options under Backup Properties instead so that your original files would always be safe.

CM Batch MMedia Date Changer

CLEAR LIST

This clears the File Listing but the files are still intact.

UNSELECT ALL

CM Batch MMedia Date Changer let you pick more than one file to change the dates for. Unselect All will unselect the files.

DATE RESCUE

The Date Rescue is a separate module which has the ability to fix file creation and modification dates which have been damaged by the system either due to faulty PRAM, system battery going flat, date encoding bug or some unknown issues. Typically in those instance either a December 31st 1969 or no dates would show up when you do a Get Info in the Finder Window.

Unlike the main data changer module, Date Rescue does not attempt to maintain the existing File and Creation Dates. If the EXIF Header exists, it can derived the media creation date from there. You can opt to use a preset date or the current date apart from the EXIF Date.

Date Rescue uses an invasive method to perform the date change but does not add or change the existing dates in the EXIF Header. So do not use it unless necessary.

When you click this icon button, the Date Rescue window would pop up.

REGISTER

This option is only available for the app downloaded from our website. Register let you unlock the trial version to a full non-time limited version. There is also option to purchase a license and to convert a Mac AppStore version to the one here.

File Listing

Filename	Dates
P1260567.JPG	Creation Date : 1/26/2002 10:17:00 AM Modification Date : 1/26/2002 10:17:00 AM EXIF Date : 1/26/2002 11:17:00 AM
P1260588.JPG	Creation Date : 1/26/2002 10:18:48 AM Modification Date : 1/26/2002 10:18:48 AM EXIF Date : 1/26/2002 11:18:48 AM
P1260602.JPG	Creation Date : 1/26/2002 10:30:10 AM Modification Date : 1/26/2002 10:30:10 AM EXIF Date : 1/26/2002 11:30:11 AM
P1260617.JPG	Creation Date : 1/26/2002 10:32:06 AM Modification Date : 1/26/2002 10:32:06 AM EXIF Date : 1/26/2002 11:32:07 AM
....	

Enable Thumbnails

The File Listing contains the Filename and Dates of the files. The Dates uses your locale so it may look different from above.

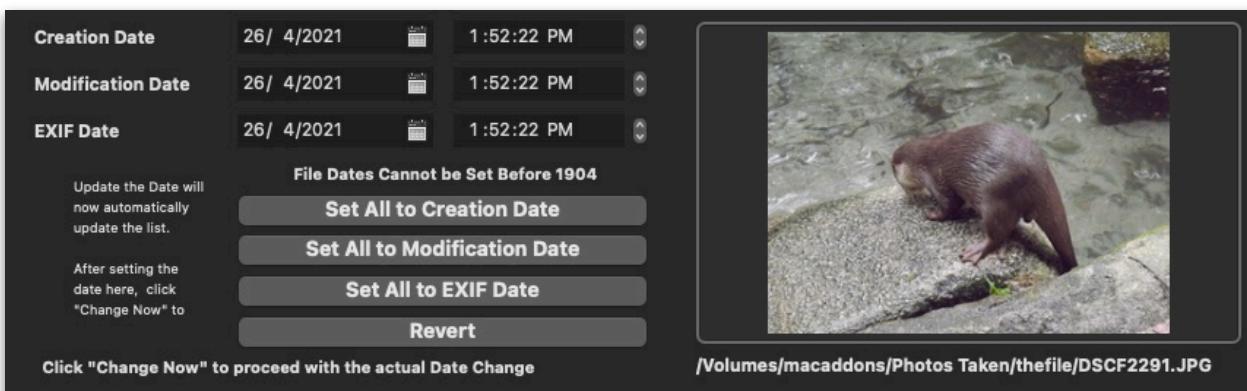
If you checked the Enable Thumbnails, the thumbnails would be added to the list. When the Enable Thumbnails is unchecked, the thumbnails would not be generated and shown thus speeding up the loading process. This is especially through for huge images or huge list of pictures. You can still view each picture by clicking on the file name which would show up in the This Photo Properties tab.

The contextual menu provides the open to remove file from the list, Select All, DeSelect All and Change Selected Only.

You can also drag and drop files from the finder to add to the list.

If you want to modify the date of a single file or a group of files, select them and the This Photo Properties tab would show up. This lets you change the dates of those selected dates.

This Photo or Video Properties



If you select a photo or video, this tab would show up. This lets you change the dates of the selected file. This is useful if you are changing the date of a single file.

CM Batch MMedia Date Changer

Changing the Creation, Modification and/or EXIF Date would be reflected right in the File Listing.

If you want all the 3 dates to be the same, click on the “Set All to Date” button. This saves you time in changing all the three dates individually.

In the This Photo Properties, you get a preview of the first photo selected. If you selected a Video file, you can play the video file too.

Multipage TIFF are supported but only the first page would be preview.

Actions / Tabs

CM Batch MMedia Date Changer provides 7 ways to change the file dates (Creation/Modification and EXIF Date *where applicable). This can be selected through the Actions Popup Menu.

SET ALL TO CREATION DATE AND TIME

This is useful if you want to change all the Modification and EXIF Date and Time of all the photos and/or videos on the list to the Creation Date. If no EXIF headers are found, it would be generated to include this date and time setting.

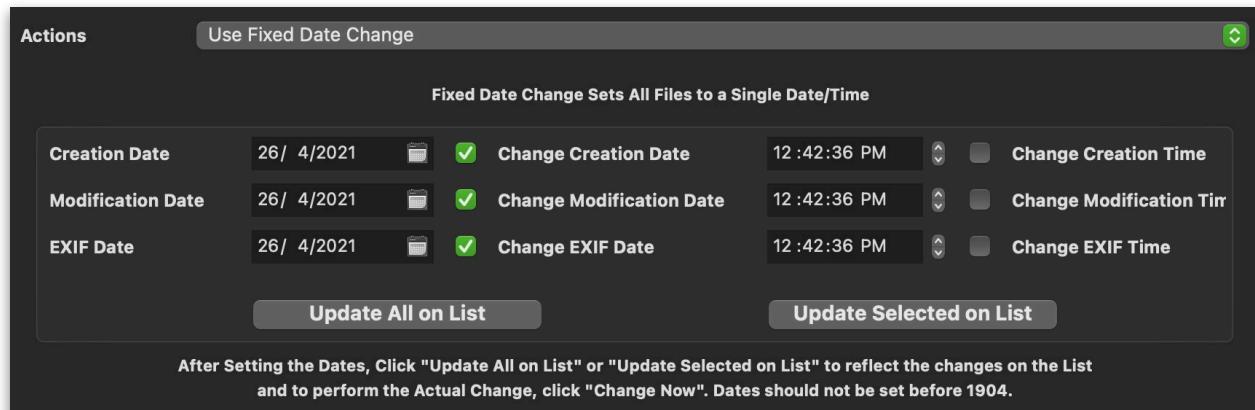
SET ALL TO MODIFICATION DATE AND TIME

This will adjust all the dates to the photos' or videos' modification date and time. If no EXIF headers are found, it would be generated to include this date and time setting.

SET ALL TO EXIF DATE AND TIME

The EXIF Date and Time are typically generated by the digital camera at the time when the photo or video is taken. When copying or editing photos, the creation date and time may change. Thus this is a useful option to adjust all the creation and modification date and time to the original EXIF date and time as captured by the source.

USE FIXED DATE CHANGE



CM Batch MMedia Date Changer

The Fixed Date Change let you change all the file dates and time to a specific static date and/or time. This is what you would get if you use the touch command line which will change the date and time of one or more files. Touch however does not work on EXIF dates.

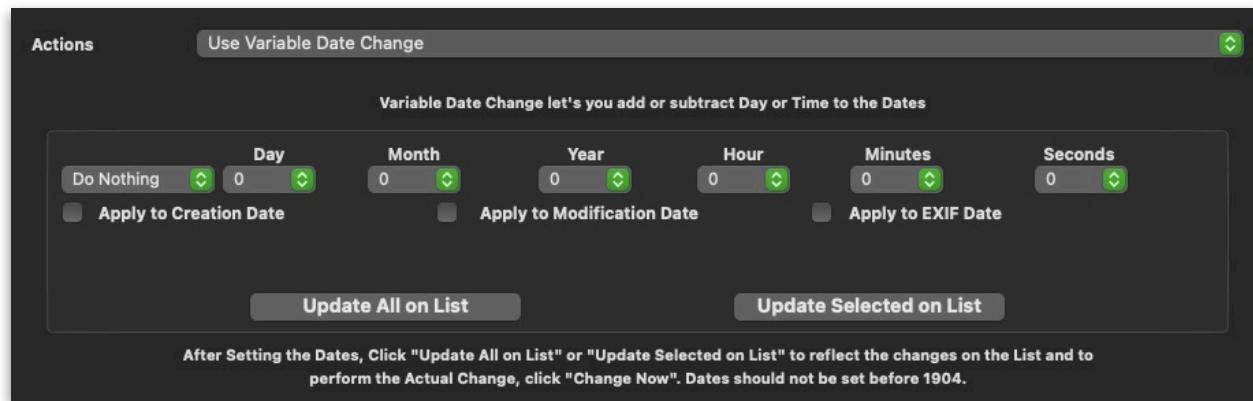
In CM Batch MMedia Date Changer, you can determine to keep either the date or time exactly as they are by unchecking the option.

For example, if you had the time correct but had the date wrong, you can set it up as above by checking just the Dates options and unchecking the Time.

Once you are happy with the date, click Update All on List to have the Date and Time reflected on the file listing. You will still need to click Change Now to effect the change.

If you have selected several files, you can use the Update Selected on List to only change those selected files.

USE VARIABLE DATE CHANGE



The Variable Date Change Settings option let you Add or Subtract time from the dates. The first dropdown let you select between the two options. Once you set that up, you can determine if you either to change the Day, Month, Year, Hour, Minutes or Seconds option.

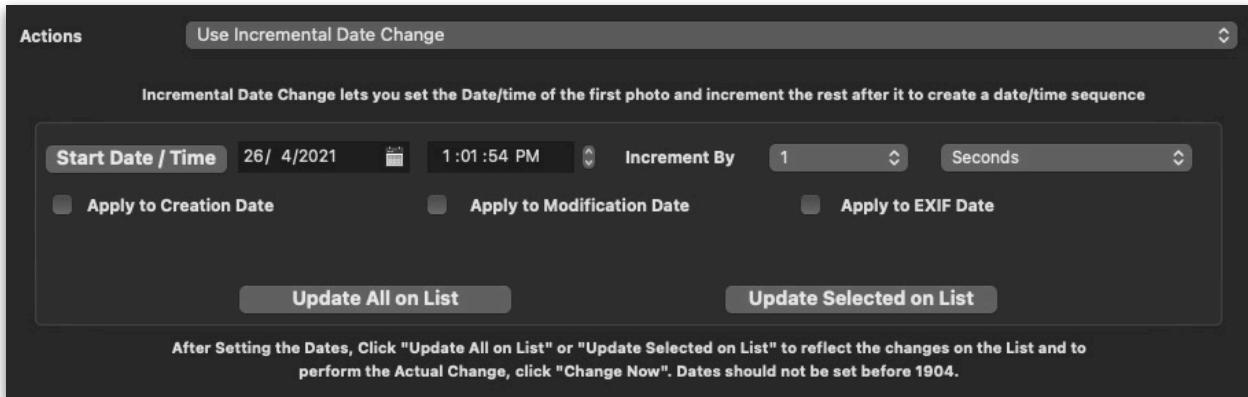
If you want the date change to apply the Creation Date, check the Apply to Creation Date. This apply to Modification Date and EXIF Dates.

Once you have set the variable date change, click the Update All on List or Update Selected on List to apply the changes to the File Listing.

In the above screenshot, we set it to subtract 12 hours from the dates. This will work on the actual file dates and turn back the clock so to speak. This can be helpful if you get the AM and PM mixed up. Or when the photos you took are from a different time zones.

CM Batch MMedia Date Changer

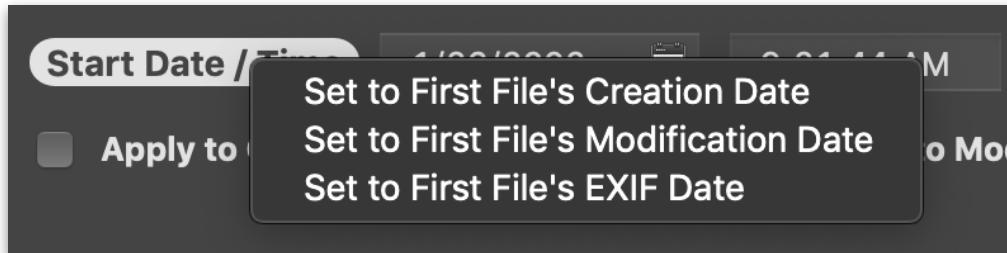
USE INCREMENTAL DATE CHANGE



The Incremental Date Change would come in useful if you are building a photo set with dates and times which are totally out of sync such as when the camera battery is flat and the dates have been reset to the default date and time or when you are combining photos from different sources which may not have the same date and time settings.

In this option, you can either set the first file on the list as the first date reference to use for the incremental and have them advance from there or just set up your own start date and time.

If you click the Start Date / Time button (only if there are files on the list), the following popup would show up.



With the popup, you can pick to use either the First Photo or Video on the list as the starting point. Once set, the Date and time will be populated with the first file date and time. You can set it up to increment by seconds or minutes.

As always, select the Apply to options if you want this to apply to the Creation, Modification or EXIF Dates.

Once you have set the variable date change, click the Update All on List or Update Selected on List to apply the changes to the File Listing.

MULTI-THREADED SUPPORT

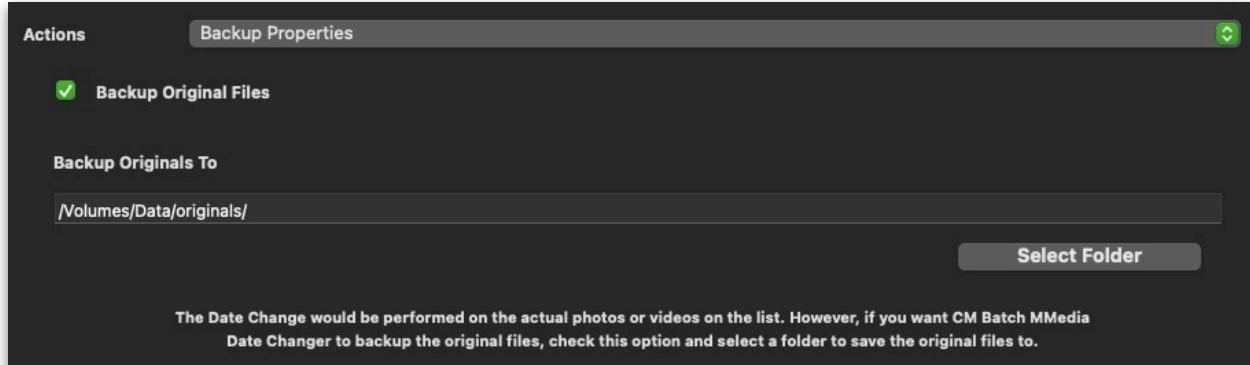
With this option unchecked, each file on the list would be change one at a time. Enabling this option can speed up the date changing process as it would spawn up to 4 threads to handle 4

CM Batch MMedia Date Changer

files at one time. It could however slow down the computer if you are running other tasks at the same time.

If you have not more than 10 files on the list, the app will use the single thread to process files one at a time.

Backup Properties



As much as we try to ensure that the photos do not get corrupted due one reason or another, we can't stress enough to create backups of your precious originals. Power failure or disk corrupted are things we hope never to see but they can happen.

Under the Backup Properties, you can set it up so that a copy of the original files would be backup to a separate folder while the original files are worked on. If you need to recover the originals, it is there in this folder.

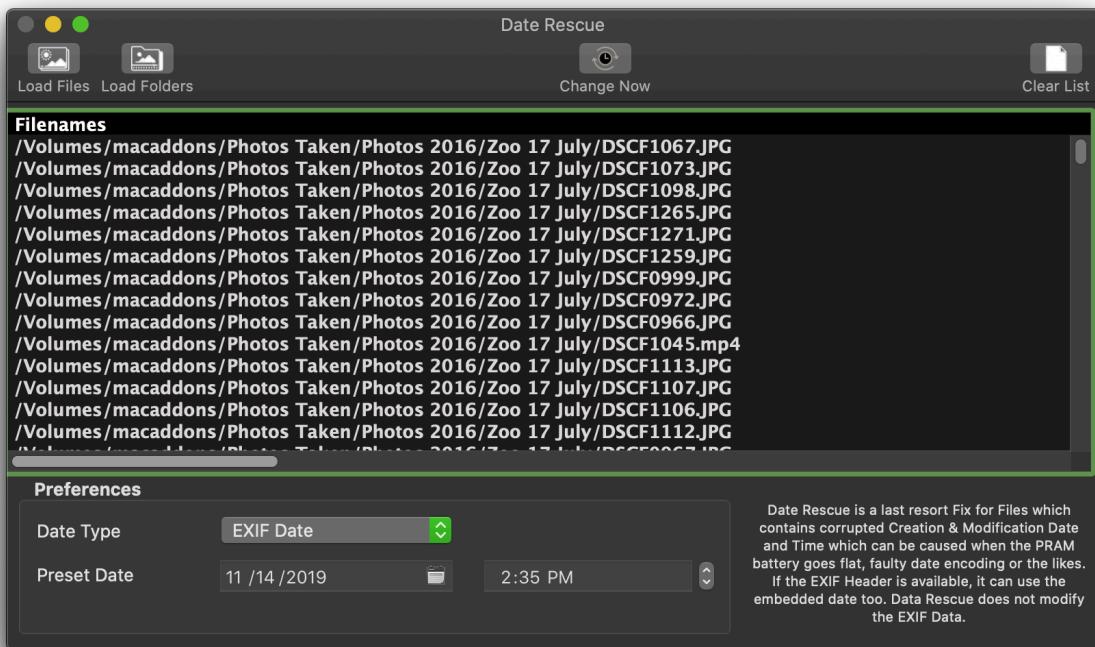
The backup files would retain the original files' dates so nothing is lost.

Date Rescue

Introduced in v2.8.0, the Date Rescue is an in-app module which sole purpose is to fix the damaged or non-existent caused by a System Failure, Faulty PRAM, depleted CMOS battery or bad encoding. These files may come with File Creation Date showing as either 0, December 31st 1969 or — when you do a Get Info in Finder.

If you ran the files through the main CM Batch MMedia Date Changer module and it crashes, try the Date Rescue module.

Date Rescue used a brute strength method to correct these file dates. To do this, it will ignore the existing File Creation and Modification Dates.



Here we have the familiar Load Files, Load Folders and the Drag and Drop method of getting your files to the list. The Date Rescue would accept all file types supported in the main module.

Under the Date Type, you have 3 options which includes Current Date, EXIF Date and Preset Date.

Current Date would use the current date and time at the point of processing.

If the EXIF Date is selected, Date Rescue would try to extract the EXIF Date from the EXIF header if it is available and intact. Failing which, it will fall back to the Preset Date.

The Preset Date option can be set using the Preset Date's Date and Time option.

CM Batch MMedia Date Changer

Once you have added the files and set the Date options, click Change Now and both the File Creation and Modification dates would be changed. The EXIF Date and content of the files would not be touched.

Contact Information

For sales and technical support, please contact us at support@completemagic.com . We will do our best to respond within 24 hours.

Do contact us if you have any suggestions to improving the application.