

Brattoo Propaganda Software®

Duplicate Annihilator – Aperture Edition

User Guide

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Duplicate Annihilator – User Guide

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Brattoo Propaganda Software®, propaganda@brattoo.com, <http://brattoo.com/propaganda>

Duplicate Annihilator – User Guide

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Overview

Duplicate Annihilator is the leading application for dealing with iPhoto duplicates now it is available in a version for Aperture 3:

Duplicate Annihilator – Aperture Edition.

The easy way to find duplicates in Aperture

Duplicate Annihilator - Aperture Edition takes on the time consuming task comparing the Master images in your Aperture database using effective algorithms to make sure that no duplicates escape. When a duplicate is found the versions of that master be marked with a keyword of your choice to make it easy to locate and delete.

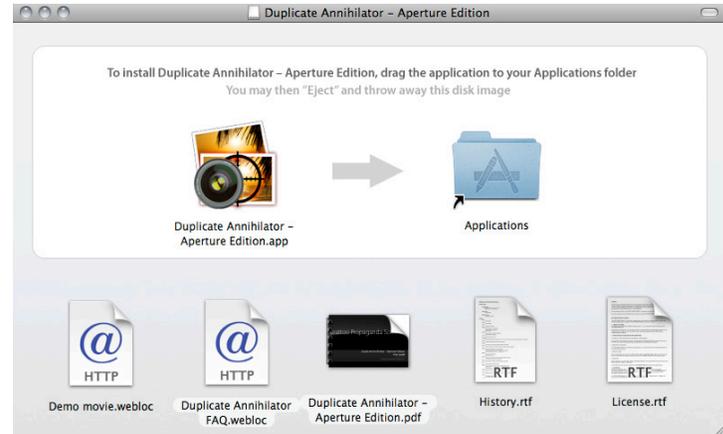
Key features

- Easily find and annihilate duplicates created during import.
- Compare master images using different algorithms to detect and understand differences.
- Detect duplicates using effective algorithms using electronic checksums like MD5 and CRC32.
- Detect duplicates by using file specific meta data such as filename, dimensions, file size, Exif creation date or date of creation.
- Marks versions keyword of your choice to make them easy to find using Aperture features like search or smart folders.
- Makes your Aperture slimmer and faster.
- Free updates!

Install Duplicate Annihilator – Aperture Edition

To install Duplicate Annihilator – Aperture Edition simply follow those steps:

1. Download Duplicate Annihilator – Aperture Edition from <http://brattoo.com/propaganda>
2. Unzip and mount the downloaded package. This is normally done automagically.
3. A finder window will appear where you can drag the application Duplicate Annihilator – Aperture Edition to your Applications folder.
4. Drag the application to the Applications folder
5. The application is now installed and you may run it from your Applications folder located on your hard drive.



Updates?

You may always download the latest version of Duplicate Annihilator – Aperture Edition from <http://brattoo.com/propaganda> Duplicate Annihilator – Aperture edition will automatically check for updates online and notify if there is an update available.

Registering/Purchasing

Duplicate Annihilator – Aperture Edition is shareware which means that to be able to fully utilize it you need to purchase a license (currently \$7.95). If you decide to run Duplicate Annihilator – Aperture edition in demo mode it will be limited to only scan through the first 500 images of your iPhoto library.

To purchase a license simply go to our site at <http://brattoo.com/propaganda> and click on any of the “buy” or “purchase now” buttons and you will be taken to our online store. The purchase will be done through the secure servers provided by Esellerate.net. For further information regarding security and online purchasing please visit <http://shopper.esellerate.net/ics/support/default.asp?deptID=5620>

When you have made your purchase you will receive an email containing your serial number. Please note that this is an automatic process so if you have a spam filter you will have to make sure that the email can get through to your mailbox.

To register/unlock Duplicate Annihilator – Aperture Edition with your serial number simply follow those steps:

1. Open Duplicate Annihilator – Aperture Edition
2. Click on the register tab
3. Fill out the form with your serial number

4. Click on the register button
5. Duplicate Annihilator is now unlocked and fully functional
The serial number will be verified by our online serial number verification servers.



If you encounter problems please contact us at propaganda@brattoo.com

Annihilating duplicates

To locate and annihilate duplicates in iPhoto use the *Find duplicates* tab in Duplicate Annihilator – Aperture edition. When you click on the *Find and annihilate duplicates* button the annihilation process will begin based on the settings in the *Preferences* tab. *See the preferences section of this document for a better understanding of the different settings and options.*

The concept

Duplicate Annihilator - Aperture Edition scans the Aperture library database for master images, compares them and then marks all versions of the duplicates masters by assigning a keyword to them. The keyword is defined in Duplicate Annihilator. There is also an option to mark the versions of the original master image by another keyword.

All shown images in Aperture are versions of the imported master image, one master can result in numerous versions but those are not real physi-

cal files and are therefor not compared. Since all versions of a master images are marked when a duplicate is detected one reported detection in Duplicate annihilator can result in numerous marked version images in Aperture.

The Aperture library database can also contain master images that are not represented by a version in the Aperture application. This can result in that one reported found duplicate may not be represented bay version image in the Aperture application.

Basic Mode vs. Magic mode

When running in Magic mode Duplicate Annihilator analyses the master images in the Aperture data base "on the fly" to be able to use the most effective detection algorithms. When using Magic mode Duplicate Annihilator – Aperture edition ignores the user selected detection algorithms. Magic mode might run slightly slower than Classic mode. To use user selected detection algorithms use Classic mode.



IMPORTANT!

Do not start Aperture during the annihilation process. Interference may cause unexpected results and corrupt the Aperture data base. Therefor, always wait for Duplicate Annihilator to finish or cancel before using Aperture.

“On finish” actions

Since it can take quite some time to process large Aperture databases Duplicate Annihilator – Aperture Edition is equipped with a series of “on finish” actions. Those “on finish” actions can be used to either set the computer to sleep or shut it down when the duplicate annihilation process has finished. The “on finish” actions may be selected and/or changed by the user during a duplicate annihilation in progress.

Hints to consider when annihilating duplicates

Sometimes the default settings in Duplicate Annihilator – Aperture Edition just isn't enough so here are a few hints on how to handle those situations.

The MD5 checksum simply wasn't enough, all duplicates wasn't found.

Even the slightest modification to an image will cause it to result in a completely different MD5 checksum so two images that might be identical to the eye might not be identical to Duplicate Annihilator – Aperture Edition. You will therefore have to try a different set of detection algorithms. A popular set of detection algorithms is the *Exif creation date* combined with the *first XX characters of the filename*. The Exif creation date is the date and time stored by your digital camera within the actual images file and this date and time is preserved when duplicating and/or modifying an image. *For more information see the Preferences section of this document.*

Some duplicates might be used in Aperture albums and I don't want those duplicates to be deleted.

This is a problem with duplicates, you never know where you have used them. If you think that you might have duplicates that are being used in an album and you don't want them to be deleted then

try this:

1. Open Aperture
2. Create a smart album that lists images whose album name is empty and has the keyword "duplicate". This album will show all images that have the "duplicate" keyword and is not used in any album.
3. Select the images in the smart album and choose File->Delete Master Image and All versions.
4. Your duplicates that is not being used in any album have now been moved to the Aperture trash can.

Preferences

The *Preferences* tab in Duplicate Annihilator – Aperture Edition allows you to change the behaviour of Duplicate Annihilator – Aperture Edition according to your needs.

Algorithms

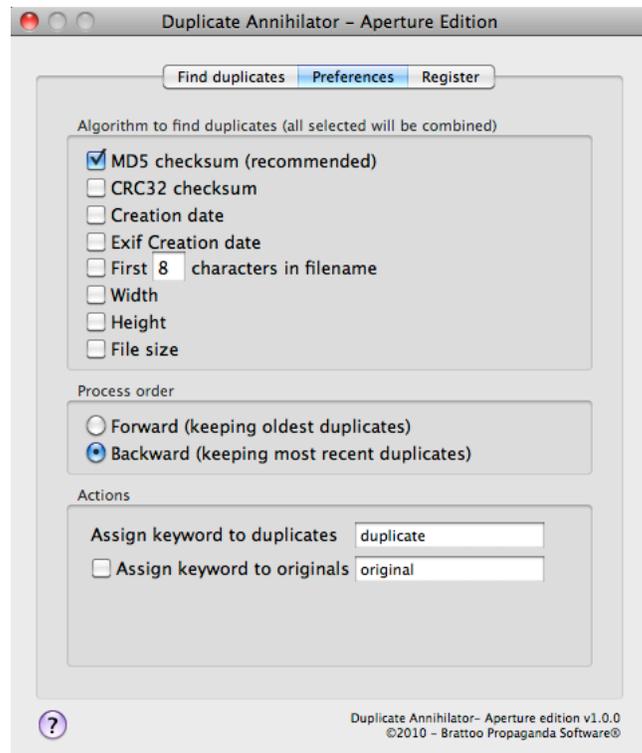
Duplicate Annihilator features a series of detection algorithm, each with it's own benefits and drawbacks. The algorithms can be combined so that one or many of them have to match for two images to be considered duplicates.

MD5 checksum

This detection algorithm calculates a digital checksum (fingerprint) using the commonly used MD5 checksum algorithm. The checksum is calculated based on the content of the actual image file and two images will have to be identical down to the very bit for them to be considered duplicates. *This is the default and recommended detection algorithm.*

CRC32 checksum

This detection algorithm works exactly as the MD5 checksum but uses a different algorithm when calculating the checksum.



Creation date

The creation date and time of the image file. This is not always the same as the date and time when the picture was taken.

Exif creation date

This is the date and time stored by your digital camera within the meta data part of the actual image file. This date is usually preserved when making modifications and/or duplicates of an image and can therefore be a very useful algorithm when hunting down duplicates.

First XX characters in filename

This detection algorithm is used to compare the first characters of the filenames, how many of the first characters that should be compared is up to you.

Width

This is simply the pictures' width in pixels.

Height

This is simply the pictures' height in pixels.

File size

This is the size of the file in bytes.

Process Order

Duplicate Annihilator – Aperture edition consider the first encountered master image with a unique detection algorithm value to be the original, all master images that follows with the same detection algorithm value are the duplicates. Therefor Duplicate Annihilator – Aperture Edition has an option that let you decide if Duplicate Annihilator – Aperture Edition should start at the beginning and walk forward or from the end and walk backward through the iphoto library.

Forward

When walking from the start(forward) of the Aperture masters database the oldest (first added to Aperture) copy of a series of duplicates will be the original.

Backward

When walking from the end(backward) of the Aperture masters database the newest (latest import to Aperture) copy of a series of duplicates will be the original.

Actions

When a duplicate is found all versions of that Master images will get a keyword of your choice attached to them. Optionally also the originals master versions can get a keyword. If the keywords, as defined in Duplicate Annihilator – Aperture Edition, does not exist in the Aperture keyword database then they will be created.

Frequently Asked Questions

Q: I've lost my serial number where can I get it?

A: To get your serial number simply go to <http://brattoo.com/propaganda/support.php> and use the online lost serial number form.

Q: I have entered my serial number but Duplicate Annihilator – Aperture Edition fails to register. Why?

A: By default Duplicate Annihilator – Aperture Edition tries to validate your serial number online so you need to have Internet access. If you do not have Internet access please contact us and we will help you to solve this.

Q: Which detection algorithm should I use in Classic Mode?

A: By default Duplicate Annihilator – Aperture Edition uses the *MD5 digital checksum* algorithm which is a quick and effective method to detect duplicates. If a duplicate has been modified in any way the duplicate will render a different digital checksum and will therefore not be detected as a duplicate.

Q: I have used the MD5 algorithm but Duplicate Annihilator – Aperture Edition failed to detect all the duplicates. What should I do?

A: Sometimes there are *what-seems-to-be-duplicates* left in your iPhoto Library. The most probable cause is that the images are slightly modified in some way. A popular combination of detection algorithms is the *Exif creation date* combined with *First XX characters of filenames*.

Q: I have selected all the detection algorithms and Duplicate Annihilator – Aperture Edition does not find a single duplicate. What went wrong?

A: Don't select all the algorithms. Selecting multiple detection algorithms will cause those to be combined in to a single search for each image. Multiple algorithms will narrow the search result and will result in fewer found duplicates. Multiple algorithms will also cause the detection process to run much slower since more meta data has to be collected from each image.

Q: I have used the default preferences in Duplicate Annihilator – Aperture Edition and it says that it found XXXX duplicates but the Aperture Library seems to be intact. Why?

A: That is correct, Duplicate Annihilator – Aperture Edition does NOT delete the found duplicates but assigns a keyword to them. You may then locate those duplicates in Aperture simply by using the search field in Aperture and search for the keyword "duplicate".

Do I have to pay for future updates of Duplicate Annihilator – Aperture Edition?

No, upgrades are free of charge, even for major upgrades.

We are an organization, school, workplace etc. and we would like to get a volume discount. Is that possible?

Yes, contact us at propaganda@brattoo.com and we'll work something out.



Need further assistance?

Check out our online support at <http://brattoo.com/propaganda/support.php> there you will find the latest version of this document and our online FAQ that updates frequently. Or contact us directly at propaganda@brattoo.com

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