

iTunes Track CPR v1.3

AppleScript for iTunes

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This script attempts to locate the files of so called "dead tracks" (iTunes tracks designated with (!)) which *you assume* are not actually missing but may still be located in the iTunes Music folder in their "iTunes File Order" (*Music f > Artist f > Album f > file.xxx*). Any correct files found will be added to iTunes and will replace the "dead track" in each playlist it appears in. Most tag data will also be rescued. Tracks whose files cannot be located will be ignored. Additionally, a text file report is generated that lists successfully resuscitated tracks and the tracks which couldn't be revived.

Before running this script...

A cure for this problem **may** be as simple as Repairing Permissions (see your Mac Help) or making sure your MP3 and AAC files have iTunes as their default application (set "Open with:" in a representative file's Get Info box to iTunes, then click "Change all"). If these tricks don't work, try the script. **Read this document thoroughly!**

This script is Donationware. If you use it and like it *please* consider making a donation to support my AppleScripting efforts. [Click here for more info.](#)

Installation:

To manually install: Put AppleScripts in your iTunes Scripts folder. This is located in *[user name] > Library > iTunes*. If there is no folder named "Scripts" there, create one and put the script(s) in it. AppleScripts will then appear in iTunes' Script menu, and can be activated by selecting by name and clicking. Be sure to also save this Read Me document in a safe and convenient place.

How to use:

Note: You should *only* run this script if your audio files are in the "iTunes File Order":

designated Music folder > Artist folder > Album folder > file.exx

Also make sure the "Keep iTunes Music folder organized" option in Preferences -> Advanced is UNchecked. You can check it back on after the script is finished.

Select some suspect tracks in iTunes. Run the script. It will ask you for the location of your designated Music folder and for a name and a location for the text file report it will create. Then it will begin in earnest. You cannot use iTunes while the script is running.

The script will examine the selected tracks. If the script determines that a particular track's file has been disassociated from the track, the script will use the track's **name**, **album**, and **artist** to target a sub-folder in the designated iTunes Music folder in which it will try to locate a file containing the same **name** and having the same **size** as the track (despite the missing file, this info is still available).

For example, a track whose name is "Rockaway Beach" by "The Ramones" from an album called "Mania" is determined to have a file that is MIA ("missing in action"; iTunes will return "missing value" for its file location). The script will look for a folder in the path `Music > The Ramones > Mania` and search inside for any file that contains "Rockaway Beach". (Note that the script determines the location of your designated Music folder, which may not necessarily be called "Music".)

The script will re-add "Rockaway Beach" and figure out if any playlists contain the original "bad" track (Smart Playlists excepted). If so, the "bad" track will be removed and the new one added to the playlist. Tag data from the original "bad" track will be copied to the new track ("**play count**" **will be lost; there is no working around this**).

When the script is finished, it will ask if you want to open the text file it created with Text Edit. The text file will look something like this (this is from an actual test):

iTunes Track CPR

Total tracks: 1679
Total MIAs: 4
Recovered: 2
Still MIA: 2

These tracks were re-added:

Cretin Hop by The Ramones - "Mania"
Rockaway Beach by The Ramones - "Mania"

These tracks are MIA:

Blitzkrieg Bop by The Ramones - "Mania"
Do You Wanna Dance by Unknown Artist - "Unknown Album"

The script is not perfect!

1) It's assumed your files are in "iTunes File Order" in your designated Music folder to which it confines searches. **If your tracks are strewn around your hard drive, the script won't work.**

2) If the target folder contains two or more tracks with **similar names**, the wrong one *may* get added. The script bases its file search partly on the track name. So, matches for track name "Rockaway Beach" might include: "1-03 Rockaway Beach.m4a", "Rockaway Beach - Ramones.mp3", "Rockaway Beach, Part 2.mp3", etcetera. However, since size is also considered,

there is a better chance of matching the correct file.

3) If your Artist name or Album name contains the "\" character, the path to the folder will generate an error. The backslash character is a directory delimiter and it confuses AppleScript, suffice it to say. I'm working on a fix :\

4) If for some reason a found file could not be added, it will be listed in the report as "Suspect", like so:

These files could not be added(?):

Genius In France by Weird Al - "Poodle Hat" [Mac HD:Music:Weird Al:Poodle Hat:Genius In France.wma]

5) The script **does not delete files** and only removes tracks when a correct substitute has been found. I have made every attempt to ensure that data is not inadvertently lost and that errors are kept to a minimum. Even so, **use this script at your own risk!**

I have been lobbied upon for a long time to create this sort of script. Your feedback will help improve it. Do not hesitate to email me with your experiences!

Helpful Links:

Click on the underlined URL text:

- Doug's AppleScripts for iTunes
- Assign Shortcut Keys to AppleScripts
- Download FAQ - **Info on downloading and installing AppleScripts**
- Doug's RSS Feed - **Recent site news, script additions and updates** (add link to your news reader)
- 30 Most Recent RSS Feed - **Most recent new and updated scripts** (add link to your news reader)

Information and download link for this script is located at:

<http://dougscripts.com/itunes/scripts/ss.php?sp=itunestrackcpr>

Version History:

v1.3 (11.7.03)

- added played count to list of tags to restore
- fixes Compilations bug

v1.2 (9.23.03)

- asks user for location of designated Music folder, eliminating several potential problems

v1.1 (9.17.03)

- support for compilations
- file search now uses track name and track size for comparisons
- lists found tracks that for some reason or another couldn't be added properly
- deletes existing same-named text file report
- consolidate code

v1.0 (9.5.03) - initial release

this doc last updated December 22 06

If you have any trouble with this script, please email me.

My name is Doug Adams

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