WavFix User Guide and Documentation

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Introduction

Welcome to the WavFix User Guide! This comprehensive guide will help you set up and use WavFix, a lightweight application designed to fix the Pioneer DJ Error E-8305. This error is caused by the wFormat flag inserted into .wav files by some download sources like Bandcamp. WavFix corrects this error by removing the flag at the binary level without encoding or changing the audio in any way. WavFix also supports batch processing, allowing you to process multiple files at once without losing the original file structure.

Installation

WavFix is available as both an .app for Mac and an .exe for Windows. WavFix is not signed by Apple, so in order to run it on Mac, you may need to allow it to be opened in System Preferences.

Mac Installation:

1. Locate the downloaded .zip file and extract it.
2. Double-click the extracted WavFix application to run it.
3. If the app does not open, go to Privacy & Security settings in System Preferences, scroll down to "Security" and you should see "WavFix was blocked because it is from an unidentified developer."
4. Click "Open Anyway"
5. The application will run without you doing this again in the future.
6. WavFix has no dependencies so you can store it wherever you like.

PC Installation:

1. Locate the downloaded .zip file and extract it.
2. Double-click the extracted WavFix application to run it… that's it. WavFix has no dependencies so you can store it wherever you like.
3. If for some reason you have a problem, try right-clicking and running as administrator, or check the settings of your anti-virus software. (This should not be necessary unless you have especially restrictive anti-virus software installed).

Supported File Types

WavFix supports the following file types:

- Audio: `.wav, .mp3, .aiff, .flac, .m4a, .ogg, .raw`
- Images: `.jpg, .jpeg, .png`
- Documents: `.txt, .pdf`

The support for these file types ensures the preservation of album art and other common album files in their original location.

User Interface

The WavFix user interface consists of the following components:

- A Files Window that shows the files that have been selected, including the file name, and bytes 20-21.
- Files Select button to browse and select files for processing.
- Batch Select button to browse and select a folder for batch processing.
- Remove Tags button to remove tags and save the modified files to a selected output directory.
- An Output Window that displays file outputs.

WavFix supports drag-and-drop functionality, so you can drag files or folders directly into the file display to load them to WavFix.

Darkmode/Lightmode can be toggled by clicking on the author label ("By Dreamwalker").

Using WavFix

1. Launch the WavFix application.
2. You can either select individual files by clicking on the "Files Select" button or process entire directories in batch mode by clicking on the "Batch Select" button.
3. If you select the "Batch Select" button, the application will process all supported file types in the directory and preserve the file structure.
4. Once the files are loaded into the application, click on the "Remove Tags" button to fix the wFormatTag in .wav files or copy other supported file types to the output directory.
5. Select an output directory, and the modified files will be saved there.

With these steps, you can fix the Pioneer DJ Error E-8305, preserve the file structure of your common album files.

Smart Save

WavFix's smart save system enhances the user experience by simplifying the file-saving process and minimizing the risk of accidentally overwriting existing files. When exporting, WavFix looks in the output destination for files that are the same type and name as whatever is at the base of its input.
The user will be asked if they wish to overwrite the files in the chosen destination. If the user choses 'Yes', the application will overwrite any files with the same name in the output directory. However, if the user selects 'No', WavFix will create a new folder in the output directory with the same name as the input folder, appending "_clean" to the folder name. This makes it user friendly to copy instead of overwrite, and to identify the processed files.

Technical Details

When a folder or files are loaded into WavFix: files that are .wav files, who's bytes 20-21 ARE NOT 01 00, are color-coded red and tagged for editing. Files that are .wav files, and who's bytes 20-21 ARE 01 00, are color-coded green and not tagged. All other accepted file types are color-coded blue. When an output directory is chosen, WavFix compares the files and directories in the output and checks them for conflict with the input file names and types. If there is a conflict the user is prompted to overwrite. The .wav files tagged for editing have their bytes 20-21 set to 01 00, and all other files are copied.

Troubleshooting

If you encounter any issues while using WavFix, refer to the common troubleshooting steps below:

1. If you encounter an error while reading a file, ensure that the file is not corrupted or locked by another application.
2. Make sure that you have followed the installation steps correctly, especially if you are using a Mac.
3. For large directories, be patient. Or if the directory is on an external; try copying the directory off of the thumb drive or external and directly to the computer first.
4. For VERY large directories; try inputting the subfolders from the main directory individually.

Support

For additional support or to report bugs, contact me at: wavfix.dev@gmail.com

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