

Cakewalk Audio Finder Tool

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Introduction

Current versions of Cakewalk® sequencers associate digital audio data with Cakewalk **WRK** files. When you record audio data in Cakewalk or open a .BUN file, the audio data is stored in a separate directory location. This operation is largely transparent to the user: you can just refer to the **WRK** file, and Cakewalk will locate and handle the audio.

CWAF Tool is designed to display relationships between Cakewalk **WRK** files and associated **WA~** data files. It also facilitates audition and deletion of audio data. Occasionally it may be desirable or necessary to determine which audio files are associated with which wave files. You might have more than one audio data directory. A power failure might have trashed the latest, unsaved version of a **WRK** file. You might have accidentally moved or deleted audio **WA~** files from the audio data directory. **CWAF Tool** can help by displaying the filenames of audio data which should be present. It can also tell you if the data is missing, or not associated with any **WRK** file.

Installation

CWAF Tool is a stand-alone application: it can be placed anywhere that's convenient. The easiest thing to do is either create a new directory and copy the contents of the zip to it, or copy the contents of the zip to your Cakewalk directory. If you wish you can create an icon shortcut for **CWAFTool**, or you can drag it from **explorer** and drop it on the **Start** button.

Quick Start

To use **CWAFTool** press the **Find** button. This will begin a search for **WRK** files that contain audio references on every disk drive in your system. You can customize which drives are searched by using the **Configure** option. If **CWAF Tool** doesn't locate the Cakewalk audio **DataDir** automatically, see *Usage Notes* (below).

Common Scenarios

You wish to locate all the audio a particular work uses:

Locate the **WRK** file of interest in the upper pane and click on it. Every **WA~** file it uses will be grouped and displayed in the lower pane. In many cases all the audio will be contained in a single **WA~** file; each track will be laid end-to-end serially. If any of the audio is missing, it will be displayed in a **red** typeface. You can audition any audio that isn't missing. To do so, click on it (so it is the only **WA~** file selected) and press **Play Audio**. You can stop playback at any time by pressing the same button (which now reads: **Stop Audio**).

You want to see all **WRK** files that use a particular audio **WA~**:

All the audio **WA~** files are listed in the lower list pane. When you click on a **WA~** file, any **WRK** files that use it are grouped and highlighted in the upper list pane. By selecting the different **WA~** files, you can see which ones are referenced by multiple **WRK** files. If any **WA~**

files are found that have no corresponding WRK file, they are known as *orphans* and are displayed in a **cyan** typeface.

You just accidentally deleted one or more WA~ files in your DataDir:

Let's hope this doesn't happen! If it does, it may still be possible to recover the audio if you haven't overwritten any disk sectors used by the deleted audio. To accomplish this task, you will also need an *undelete* utility that is supported by your operating system.

Click on the **Find** button to locate all WRK files that contain audio references. Start at the top of the upper pane, and click on the first WRK file listed. Then click on each of the other WRK files in succession (or use the arrow keys). You are looking for referenced WA~ files that are displayed in **red** (i.e. missing audio). If you find any, write down the filename(s) of the WA~ file. You will use this information later to supply to the *undelete* utility properly rename the recovered files (the first filename character is erased by the operating system when the file is deleted). Once you know the proper filenames, you can safely undelete and rename the WA~ files.

Usage Notes

When CWAFTool starts, it attempts to locate the Cakewalk audio **DataDir** automatically. It first looks in the current directory for the Cakewalk **Aud.ini** file. If that is not located, it looks in the registry to find the directory Cakewalk is installed in. If it doesn't find the **DataDir** a message to that effect is displayed and the search is terminated. To manually configure the **DataDir**, use the **Configure** option (see *Configure* below).

Once a search has completed, you can select a **WRK** file to see all the **WA~s** it references. You can also select a **WA~** file to see all the **WRK** files that reference it. Any missing **WA~** files are displayed in **red**; orphaned **WA~** files (those that have no associated **WRK** file) are displayed in **cyan**. Selected files are moved to the top of the list so that you can see them all at once. A summary of selected files is displayed in the status line.

When you select a **WA~** file, you can audition it to hear the audio contained. To do this, click on a single **WA~** file and press **Play Audio**. You can stop playback at any time by pressing the same button (which now reads: **Stop Audio**).

If you right-click in either list box, a context menu is presented. Currently, you can choose to **Copy** the current list box selection to the clipboard. The clipboard text can then be pasted into any other application.

Orphaned WA~s

Audio can be orphaned by several causes. Each time a .BUN file is opened, temporary WA~ files are created. These files are normally cleaned up, but if Cakewalk is not properly shut-down, the temporary WA~ files can remain undeleted. Each time a stand-alone effect is applied, a WA~ file is created. If the effect is later *undone* it can leave the audio WA~ file remaining behind. When a WRK file is deleted, any audio references is left remaining. Be careful when deleting supposedly *orphaned* WA~ files: it may not be really orphaned! If the referencing WRK is on a removable drive (such as a floppy or a ZIP or JAZ drive), it may not be available for CWAFTool to find. To be sure, first audition the WA~ file by using the **Play Audio** option.

Deleting WA~ Files

You can remove selected **WA~** files, by pressing **Delete WA~...** A confirmation dialog is presented: it shows the number of orphaned and referenced **WA~s** selected. CWAFTool differs

from the Cakewalk, Clean Audio Disk... command in that CWAFTTool will delete to the recycle bin (assuming it's activated for the drive), while Cakewalk will just erase the file. When the recycle bin is used, the file space is not actually recovered until the recycle bin is emptied. Missing **WA~** files can not be deleted because they don't exist.

The RECYCLE Bin and Norton Unerase

Both CWAFT Tool and Cakewalk will find **WRK** files that have been placed into either the recycle bin or the Norton utilities Unerase directory. You can visually see this in CWAFTTool by looking at the full file pathname for the **WRK** file displayed. The recycle bin uses a directory named **RECYCLED** on each drive. Norton Unerase uses a hidden directory named **NPROTECT** located below the **RECYCLED** directory. Any **WRK** files which appear in either place should be considered logically deleted.

Configuration

In general, you don't need to configure CWAFTTool, but a configuration option is provided for those who wish to tweak it. To access the configuration options, press **Configure**. Here you can select the exact drives that should be searched. This list displays all drives found on your system. You can select as many of these as you like. To ensure reference accuracy you should select all drives that contain **WRK** files.

There is a check-box to control message verbosity. If you have many corrupt **WRK** files on your system you may not wish to be informed about each one during a search. To silence these messages uncheck the **Display file warnings during search** box.

There is also an edit control that displays the default audio **DataDir** that CWAFTTool will use when searching. You can manually change the **DataDir** by entering a new value, or by pressing the [...] button. Navigate to a directory containing Cakewalk **WA~** files and then press **OK**. You can now press **Find** again to search for **WRK** files. If you've already completed a search, changing the **DataDir** causes files to be listed and examined, and associations are reevaluated. To make CWAFT Tool search for the **DataDir**, clear out the edit box and then press **OK**.