

WaveCutter User Guide

1. What WaveCutter is

WaveCutter is a tool that divides large WAV files into smaller ones as specified length. When you convert analog sound such as LP record, compact cassette tape, etc. into digital, you can record whole side of sound at a time into one WAV file. After that, you can edit it with WaveCutter to be separate smaller WAV files of each piece of music with ease of use operation. WaveCutter has following advantages.

1-1. WaveCutter advantages

1-1-1. Editing files in every second, milis-second with accuracy

You can easily specify the position to divide (break point) the file by operating “WAV file editing grid” in every m sec.

1-1-2. Silence part detection

WaveCutter detects silence part of the WAV files and display the part visually to help users to decide break point. But WaveCutter never divides file automatically according to silence part because such detected break positions are not 100% correct. We believe that it is more convenient for users to suggest where silence part is and users make decision to insert break point.

1-1-3. Editing files with listening to the sound

You can play any part of the file just by clicking the mouse. With the feature of “Play to next breakpoint”, you can specify accurate break point easily.

[Note]

WaveCutter handles only 16 bit stereo 44.1KHz sampling rate WAV file. It is not designed to handle any other format.

1-2. Feature restriction for unregistered copy

WaveCutter is a shareware and the evaluation period is limited to one month. If you use WaveCutter more than one month, please register it with purchasing license key. Until you register license key, it has following feature restrictions.

- You can divide file up to four
- You can edit first 15 minutes of the file

These two are only the restriction for unregistered copy of the software. These restrictions are removed when you purchase a license key and enter it.

1-3. How to purchase license key

The registration fee for WaveCutter is \$15 US. We are now preparing secure online registration form where Visa, Mastercard, American Express and Discovery cards are accepted. Please visit http://member.nifty.ne.jp/bdi_world/ for location of the registration form. Once registered, you will receive by e-mail your registration code in few hours and the restrictions mentioned above would be removed as soon as you enter the license key. (Please see later part of this manual for detailed instructions how to enter the license key)

1-4. Terms and conditions to use WaveCutter

You should carefully read the following terms and conditions before using WaveCutter. Upon use of WaveCutter, we regard that you have agreed following terms and conditions.

1-4-1. Trial terms

Trial term of this software is one month. Please purchase license key and register if you continuously use the software for more than one month.

1-4-2. License and License key

Purchasing single license key gives you right to use the software up to two computers by single licensee. You need purchase more licenses keys if you are beyond the conditions. It is prohibited reselling the key to 3rd party, rental the key to 3rd party and giving the key to 3rd party. Payment for the key shall not be refund with any reason.

1-4-3. Copyright

Copyright of WaveCutter and bundled documentation belong to author.

1-4-4. Re-distribution

You can distribute whole set of WaveCutter.ZIP if you do not make any money by

distribution. When you include WaveCutter.ZIP in such as magazine, forum and library on network including Internet, you need written agreement of author. (Please contact nbh00725@nifty.ne.jp via e-mail)

When you re-distribute WaveCutter or place it forum or library on network including Internet, you may NOT distribute a part of WaveCutter.ZIP or never modify it. You need to distribute or place it exact same as author published.

1-4-5. Limitation of Liability

Use of this software is user's risk. Author does NOT have any responsibility upon user's damage caused by use of this software. The Software, documentation, and technical support are provided "AS IS" and author does NOT have any duty to improve them.

1-5. Technical Support

Please ask any questions about WaveCutter to nbh00725@nifty.ne.jp via e-mail. And please look at http://member.nifty.ne.jp/bdi_world/ where we provide latest information of WaveCutter.

2. Installing, Launching WaveCutter, Uninstalling

2-1. Installing and launching WaveCutter

Make folder where you extract WaveCutter.ZIP and extract it there. The file you need to launch WaveCutter is just WaveCutter.EXE. Please move the folder to where you like (For example, under “Program Files”). It is convenient to create shortcut to launch WaveCutter and add it to Start menu.

2-2. Registering license key

Please choose “Register” from “About/Register” menu. Then a dialog box that has “User name” field and “License key” field. Please enter your name(any 4 or more letters you like) and license key that you received.

These operations remove the restriction of break points and length of the file you can edit.

2-3. Uninstall

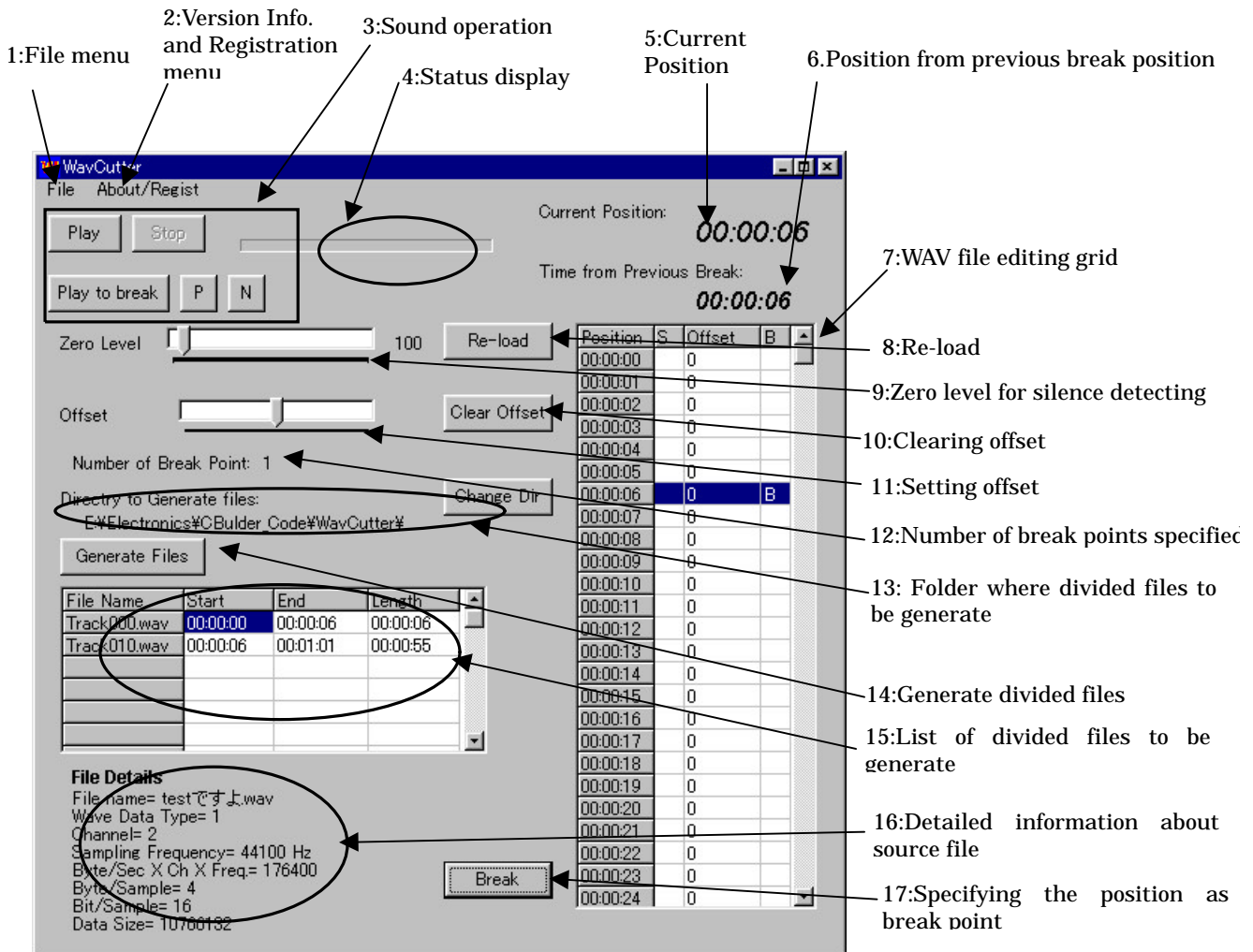
If you are in trial period and has not registered license key, only you have to do is remove the WaveCutter files. Please delete folder you extracted WaveCutter files.

If you have registered license key, please choose “UnRegister” in “About/Register” menu and then delete folder you extracted WaveCutter files.

3. Reference

For detailed operations, please read next chapter of “4. How to use WaveCutter” with referring this chapter.

3-1. Main view



3-1-1. File menu

Open : Specifying WAV file you are going to divide. When you choose this menu, a dialog box where you choose appear. You can choose file to divide by pressing “Open”. Then time stamp in “Wave Editing grid” is updated and “Silence status” is updated according to “Silence Detecting Level”. Opening file requires some time depending on the length of the WAV file and the reading status is displayed in the “Progress bar”.

Exit : Exiting WaveCutter.

3-1-2. About/Register menu (Version information and registration)

About WaveCutter: Displaying version information

Register: Registering license key

Unregister: Deleting registered license key prior to uninstalling WaveCutter

3-1-3. Buttons for sound operation

Play : Play opened sound file

Stop : Stop playing

Play to Break : Play to next specified break point

P : Jump to previous break point

N : Jump to next break point

3-1-4. Displaying status

Displaying progress of such as opening WAV files, writing divided files, etc.

3-1-5. Current Position

Current position from the beginning of WAV file in hour:minute:second format

3-1-6. Time from Previous Break

Current position from previous break point in hour:minute:second format

3-1-7. WAV file editing grid

Specifying break point and position to play, etc.

Clicking: Move current position to where you clicked

Double clicking: Starting to play from current position. If it is already playing, stop to play.

Right click: Displaying a menu with which you can specify current position to be break

point

3-1-8. Re-load

Based on the level set by Zero Level bar, it senses the silence points of the WAV file and display the result in “S” column of WAV editing grid.

3.1.9 Zero Level (Setting for silence part detection)

Setting level to detect as silence. Useful feature to detect the interval of each piece of music. If you would like to detect LP record intervals, 100 to 200 are fine. Right value depends on the WAV file and we recommend you to adjust it and try presses “Re-load” so that silence marks (X in Silence column of Wave Editing grid) are displayed.

3-1-10. Clear Offset

Clear offset for current position.

3-1-11. Offset

Add offset to current position. By dragging the bar, you can adjust –500 to +500 Millie second to current position.

3-1-12. Number of Break Point

Display number of break point you have specified.

3-1-13. Specifying/Displaying drive and folder for divided files

Setting drive and folder where you store divided files. Since one minutes file require some 10MB, you need to choose drive that has huge amount of free space.

3-1-14. Generate Files (Start to generate divided files)

Generating divided files according to the “Break point” information you specified. The progress status will be displayed at progress bar.

3-1-15. List of divided files

Listing the divided files and its length to be generated according to the “Break points” you specified. WaveCutter gives the file names and you can not change them. If you like to change the names, please edit it in Explore after you generate them.

3-1-16. File Details

Detailed information of WAV file to be divided.

3-1-17. Break

Setting current position to be “Break point”. If current position is already set as “Break point”, cancel it.

4. Tutorial --- How to use WaveCutter

This chapter explains you how to use WaveCutter.

4-2. Dividing the file

This section explains about the operation to divide large WAV files into smaller ones with WaveCutter. We believe that it is easier for you understand if you refer to reference in chapter 3 for each operation. Outline of the operation is as follows.

File selection/reading in
(With silence part detection)

Specifying break point with playing file

Generating divided files

4-2-1. Setting Zero Level

Prior to file reading, please specify Zero-level for silence detection feature. Zero level is the standard level that WaveCutter recognize the sound is silence if the sound level smaller than zero level when WaveCutter read a WAV file. Zero Level can be adjusted by dragging Zero level slide bar.



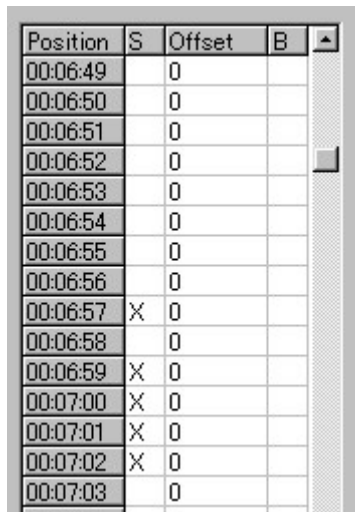
4-2-2. Reading source file to divide

After setting Zero Level, choose File-Open menu to choose WAV file to divide. Choose file to divide and press OK in the file open dialog box.

The status to read the file will be displayed at Status Display as follows. Reading 10 minutes WAV file with detecting silence part takes some 10 to 20 seconds.



As soon as it finish to read, time stamp and silence status will be displayed in WAV editing grid.



Position	S	Offset	B
00:06:49		0	
00:06:50		0	
00:06:51		0	
00:06:52		0	
00:06:53		0	
00:06:54		0	
00:06:55		0	
00:06:56		0	
00:06:57	X	0	
00:06:58		0	
00:06:59	X	0	
00:07:00	X	0	
00:07:01	X	0	
00:07:02	X	0	
00:07:03		0	

WAV file editing grid

Position: Indicate position as

Hour:Minute:Second

S(Silence): Result of silence detection

filled with X if the position is
recognized to be silence

B(Break): Filled with B if the position is
specified to be break point

If silence part is not detected properly, please adjust Zero-level and click Re-load to read the file again.

[For accurate silence detection]

After reading source file to divide, WaveCutter displays silence status in S column of WAV file editing grid, X for silence positions. If no X is displayed although the file has silence part or too much Xs are displayed, you shall repeat file reading after adjusting zero level. If no X is displayed, please decrease zero level and click Re-load. If too much Xs are displayed, please increase zero level and click Re-load.

[Accuracy of silence detection]

Since 20-30 minutes WAV file in stereo CD-quality format is huge size, it takes a lot of time to detect silence 100% accurate. We prioritize ease of use and speed for WaveCutter and silence detection is not accurate sometimes. Please use silence sign for your reference to decide where you insert break points.

4-2-3. Playing sound

After you read the file, you will decide break point with playing the sound. Click any position of WAV editing grid and presses Play then WaveCutter start to play from the position you clicked. If you click other point on the WAV editing grid during it plays the file, WaveCutter skips the position to play as you clicked. You can skip far away position by scrolling up/down the WAV editing grid and click different points. Clicking Stop stops playing file. Double clicking WAV editing grid works as Play/Stop.

Referring to Silence mark in S column, current position indicator at right upper corner, etc., you can find where to divide the file easily.

4-2-4. Specifying position to divide the file

With the operation of 4-2-3. Playing sound, decide where to break in second. Click the position where you would like to divide with sound stops. Then right click to display menu to set the position as break point and choose it to specify the position to break point, where to divide the file. Clicking Break button works exact same as choosing right click menu. Then you can see B mark in B column that means the position is specified as break point where the file is divided. At the same time, the divided file list is updated.

4-2-5. Giving offset to break point (Fine tuning of the position to divide)

When you would like to specify break point more detailed than unit of Second, you can adjust the position of break points in the unit of Millie second (1/1000 second) with

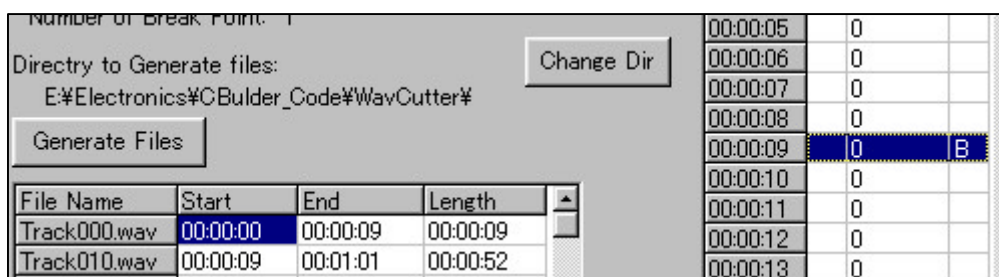


offset feature. If you slide offset slider to left, you can adjust the position up to -500ms. If you slide offset slider to right, you can adjust the position up to +500ms. The offset value in Millie second is displayed in Offset column of the WAV file-editing grid. In case of above figure, the offset is -221ms and the break position is at 36:56.779 second.

4-2-6. Verifying break position with playing sound

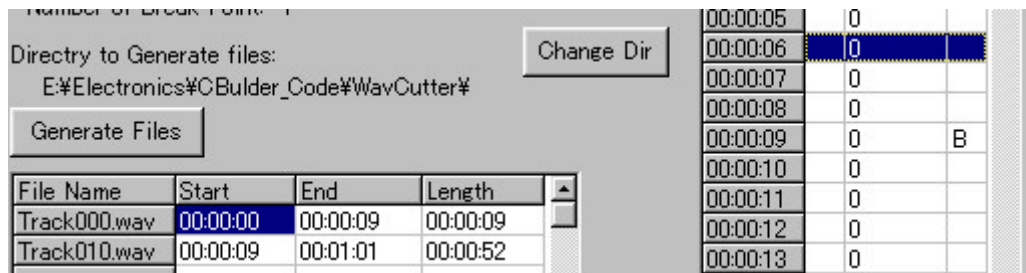
You can verify the position of break point by playing the file.

a) Verifying position as starting position



Click the position you marked as break position and play. Then it start play at the break position. If you add offset, it starts at the time including offset. You can verify the position from view point of starting position.

b) Verifying break point as ending position --- Playing to break point



Click the position a few second before the break point you specified. Then click PLAY to break then it starts to play and stops at break point. You can verify the break point from view point of ending point.

Repeat 4-2-3 to 4-2-6 to specify all break points.

4-2-7. Generating divided files

After you specify all break points, click Generate Files to get divided files. The default folder the files are generated is where source WAV file is located. If you change the folder to generate files, please click Change Dir and choose a folder before you click Generate files.

..... End of Guide