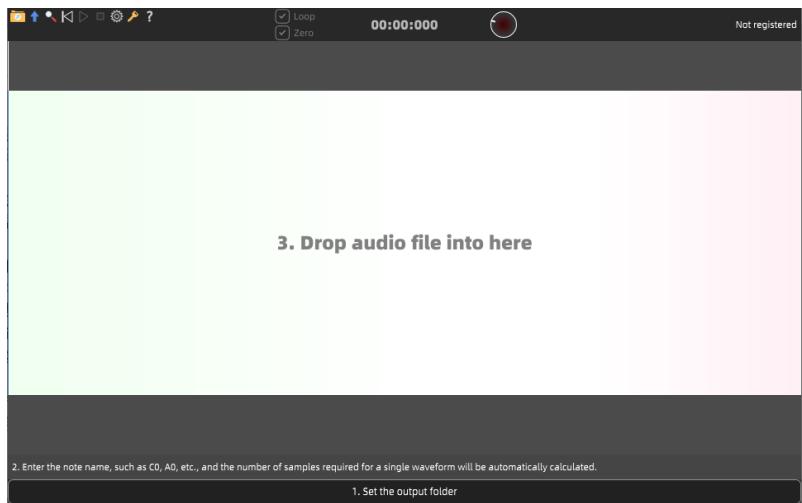


**WavetableSampler** is an efficient and professional wavetable sampler.

The function of this software is to quickly sample and create commercial-grade wavetables.



\*\*Upon loading, you will see the program's interface as shown in the image. The interface features a sampling guide process labeled 1, 2, and 3:\*\*

**1. \*\*Set an Output Folder:\*\***

This folder will serve as the destination when you export wavetables directly via the right-click menu or perform batch exports of snapshot wavetables.

**2. \*\*Input the Pitch:\*\***

Similar to Serum, you can enter the pitch of the audio you want to sample (for example, a timbre you created in an FM synthesizer) – such as entering C0 to B0. The program will then automatically calculate the number of sampling points required for creating a single wavetable.

**\*\*Note:\*\*** Serum always calculates the sample count based on **\*\*44,100 Hz\*\***, whereas this software calculates it based on the **\*\*current audio sample rate\*\***. If the current audio file has a **\*\*44,100 Hz\*\*** sample rate, the result will be the same as Serum. However, if the sample rate is different, the results will not match. The result calculated by this software should be considered accurate!

**3. \*\*Import Audio:\*\***

There are two methods to import audio:

- Use the folder icon in the toolbar to open the import audio option.
- Drag and drop the audio file directly into the editing area.

**\*Note:** Although the software prompt states that only WAV files are supported, you can actually drag in MP3 files – though I assume you'd prefer to use WAV files, right?\*



**1. \*\*Folder Icon:\*\* Open File (O).**

**2. \*\*Blue Arrow Icon:\*\* Export all snapshot wavetables (Alt + A) [You can also drag the snapshot pad directly into an operating system folder].**

**3. \*\*Zoom Icons:\*\***

- **Horizontal Zoom:** Use the mouse scroll wheel.
- **Vertical Zoom:** Hold **Ctrl [Command]** + Mouse Scroll Wheel or use the **Up/Down Arrow Keys**.
- **(Note:** Horizontal zoom is centered on the current cursor position.)\*

**4. \*\*Return to Start Icon\*\***

**5. \*\*Play:\*\*** (Space key) – Pause and resume playback (Ctrl [Command] + Space key).

**6. \*\*Stop:\*\*** (Space key).

**7. \*\*Gear Icon:\*\*** Configuration panel, where you can set the language and related options. \*(If you change the language, you will need to restart the software.)\*

**8. \*\*Key Icon:\*\*** Registration panel.

**9. \*\*Question Mark Icon:\*\*** Software and developer information.

**\*\*Related Settings:\*\***

**1. \*\*Loop:\*\*** Loop playback (L).

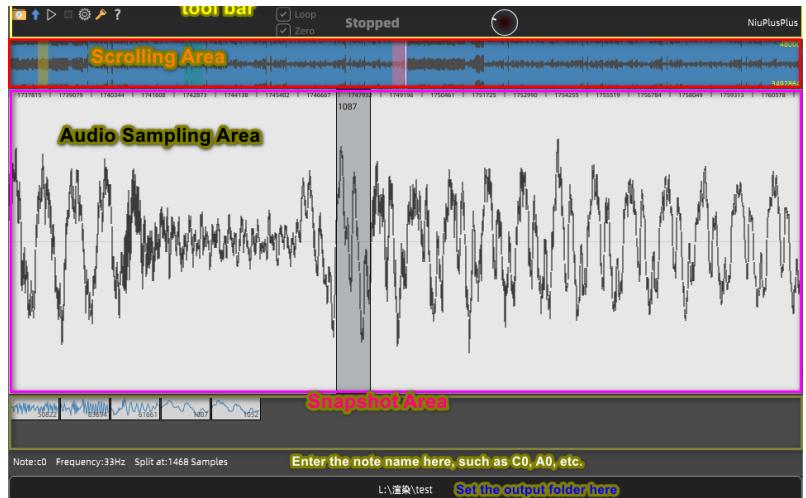
**2. \*\*Zero:\*\*** Automatically snap to the zero-crossing (Z).

**3. \*\*Playback Status Bar:\*\***

**4. \*\*Volume Control:\*\***

## \*\*Scrolling Area:\*\*

1. You can directly select the area you want to focus on to zoom in and out.
2. You can drag the selection.
3. If there are snapshot regions, they will be rendered in different colors.
4. On the far right, the current audio's sampling rate and total number of samples are indicated.



## \*\*Audio Sampling Area:\*\*

1. You can import audio by dragging it directly into the area.
2. You can select the waveform you want to sample (if zero-cross snapping is enabled, it will automatically snap to the nearest zero-crossing).
3. In the right-click menu of the selection, you can:
  - \*\*3-1:\*\* Save a snapshot (S).
  - \*\*3-2:\*\* Directly export the waveform of the selection (you must set the output folder first) Alt+O.
4. The selection area is draggable. You can quickly drag the selection while looping playback to preview, creating an effect similar to wavetable morphing—it's quite fun!
5. You can use the left and right arrows on your keyboard to scroll the view;

## \*\*Snapshot Area:\*\*

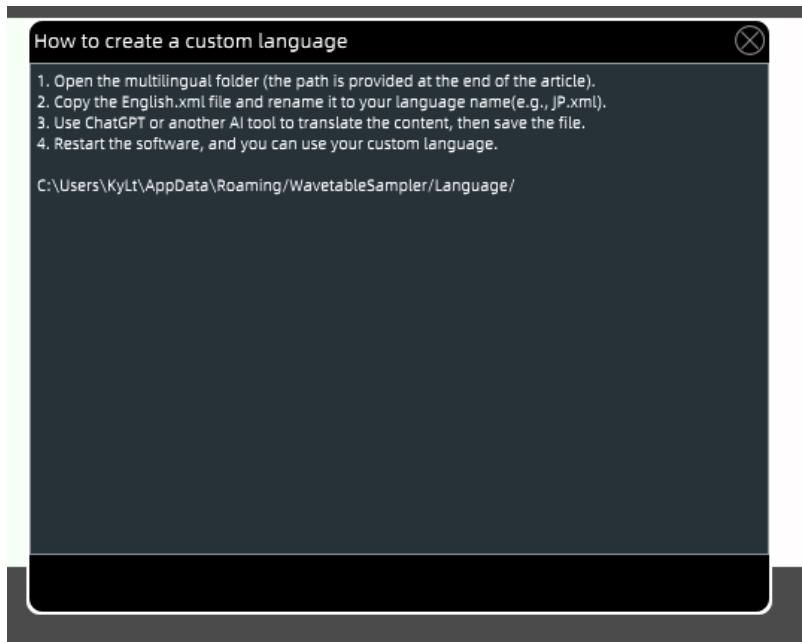
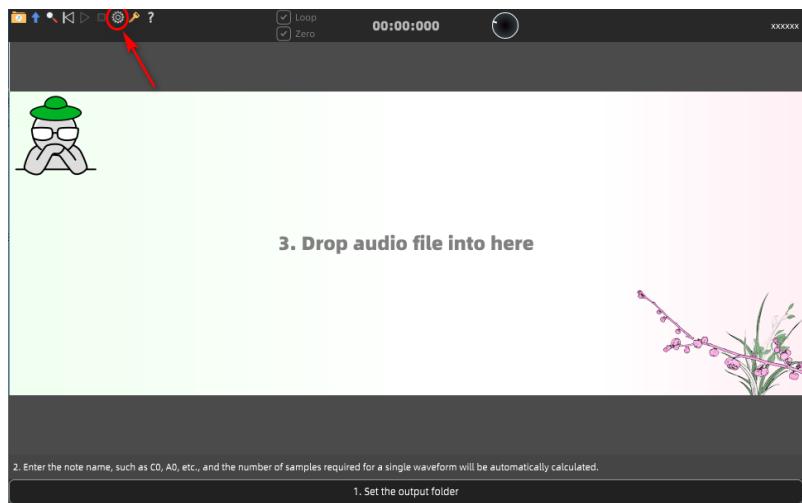
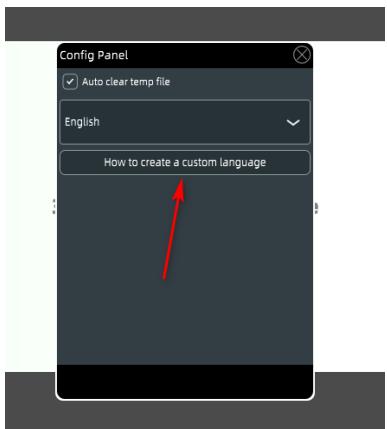
This area stores all the snapshots captured by the user.

1. You can quickly jump to the first 9 snapshot positions using the number keys 1-9. For snapshots beyond the first 9, you will need to use the mouse.
2. You can export all snapshot wavetables in one click using the blue arrow icon in the toolbar. \*(You must set the output folder first.)\*  
[Important Tips] Only when you use the Export All Snapshots function, the files will be named in order, such as XXX\_1.wav, XXX\_2.wav, etc. So if you want to save these wavetables, it is best to use the Export All Snapshots function and then save the files with serial numbers.
3. You can delete snapshots in the right-click menu of the snapshot pad;(Ctrl[Command] + Alt +MouseLeftClick)

## \*\*Advanced Applications:\*\*

1. You can use this software to sample any type of audio – not just wavetables.
2. With the use of shortcut keys to preview snapshots, you can immediately understand the differences between two wavetables both visually and audibly. Experienced users might even quickly discern the approximate effect of the transformations between these wavetables, which is an extremely valuable feature.
3. As mentioned earlier, quickly dragging the selection to preview during loop playback can achieve an effect similar to wavetable interpolation in a wavetable synthesizer. This is worth trying – for instance, if you're interested in a particular sound within a complete EDM track, you can certainly sample it. However, remember that the final result of this sampling method will not be identical to the original sound. The important point is that you will end up with an excellent wavetable.

## How to create a custom language



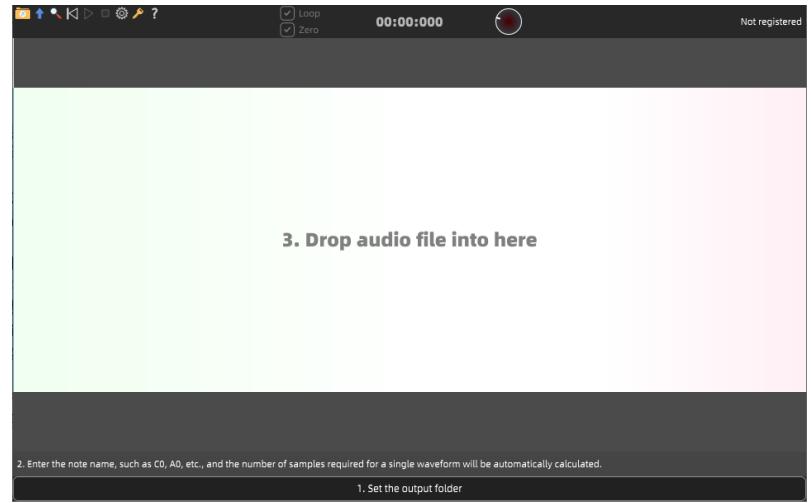
软件用于快速采样商业级波表，导出波表的采样率与原文件保持一致。

当加载完毕，你会看到程序的界面，如图所示，软件界面中会有用1、2、3标注的采样引导流程。

1、设置一个输出文件夹，它会作为你在右键菜单直接导出波表或批量导出快照波表的目的地；  
2、这里与serum类似，你可以输入当前需要采样的导入音频的音高（例如你在FM合成器中制作的颜色），例如输入C0-B0等等，然后程序会自动计算你制作单个波表时需要的采样点数；  
(注意：serum计算时始终以44100计算采样数，而本软件则以当前的音频的采样率计算，如果当前音频文件采样率为44100，结果会与serum一致，但如果采样率不同，结果会不一致，应以本软件计算的结果为准！)

3、导入音频有两种方式，1、通过工具栏的文件夹图标打开导入音频选项，2、直接拖拽音频文件到编辑区即可；

(注意：尽管软件的提示只支持wav文件，但实际上你可以选择拖入mp3文件，但我想你会更喜欢使用wav :)，对吗？)



#### 工具栏：

- 1、文件夹小图标：打开文件(O);
- 2、蓝色小箭头：导出所有快照波表 (Alt + A) [你也可以直接拖拽快照pad到你的操作系统文件夹中]；
- 3、缩放图标：水平缩放（鼠标滚轮）垂直缩放 (Ctrl [Command] + 鼠标滚轮 或者使用键盘的上下箭头键)；  
(注意：水平放大以当前光标位置为中心缩放)；
- 4、回到最开始图标；
- 5、播放(空格键)暂停和继续播放 (Ctrl[Command] + 空格键)
- 6、停止(空格键)
- 7、齿轮图标：配置面板，里面可以设置语言与一些相关选项；(如果修改了语言，需要重启软件)
- 8、钥匙图标：注册面板；
- 9、问号图标：软件及开发者信息；

#### 滚动栏区域：

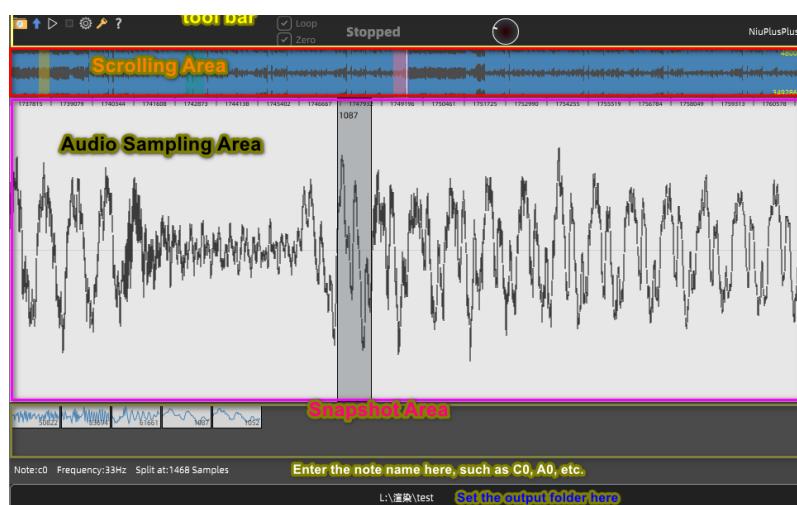
- 1、可以直接框选需要聚焦的区域进行放大与缩放；
- 2、可以拖动选区；
- 3、如果存在区域快照，会渲染为不同的颜色；
- 4、最右边标注了当前音频的采样率与总的采样数；
- 5、你可以使用键盘的左右箭头滚动视图；

#### 音频采样区：

- 1、可以直接拖入音频完成导入；
- 2、可以框选你需要采样的波形（如果开启了零点吸附，则会自动吸附到附近的零点）；
- 3、在选区的右键菜单可以：
  - 3-1、保存快照 (S)
  - 3-2、直接导出选区的波形（需要先设置输出文件夹）Alt+O
- 4、选区是可以拖动的，你可以在循环播放的同时快速拖动选区试听，会有类似波表变形的效果，很有趣；

#### 相关设置：

- 1、loop：循环播放 (L);
- 2、Zero：自动吸附零点 (Z);
- 3、播放状态栏
- 4、音量控制



#### 快照区：这里保存所有用户采集的快照

- 1、使用1-9数字键可以快速定位前9个快照位置，但超过9个快照你需要使用鼠标触发；
- 2、使用工具栏的蓝色小箭头图标可以一键导出所有快照波表；(需要先设置输出文件夹)  
[重要提示] 只有使用导出所有快照功能时，文件会按照排序命名波表，例如XXX\_1.wav, XXX\_2.wav等等，所以你如果要保存这些波表的话，最好使用导出所有快照功能功能，然后保存有序列号的文件即可。
- 3、快照pad右键菜单中可以删除快照；(Ctrl[Command] + Alt + MouseLeftClick)

## 高级应用：

- 1、你可以用它采集任何的音频，不一定是波表；
- 2、配合快捷键试听快照，你可以在视觉与听觉马上理解到两个波表的不同，有经验的用户甚至马上会意识到这些波表之间变形后的大致效果，这是非常有价值的功能；
- 3、如上所述，在循环播放的同时快速拖动选区试听，同样可以达到类似对波表插值后在波表合成器的效果，值得尝试；例如你对一首完整的EDM中的一段音色感兴趣，你完全可以对它进行采样，但请记住，这种采样的方式最后的结果并不会与原音色一样，重要的是，你因此会得到一个非常棒的波表；

## 如何定制多语言

