Debian Edu / Skolelinux Audacity 手册

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1 Audacity 手册

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<b>b'' 翻 b''b'' 译 b'':</b>
2017 Zhang Miao
2018, 2020 Ma Yong
2019 zlffcn
2020 EldersJavas
2020 wdggg
2020 Tao Wang
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这是一本关于 Audacity 的手册，基于 Debian Edu Etch 3.0 版中的 1.2.4b-2.1+b1 版本。

在 http://wiki.debian.org/DebianEdu/Documentation/Manuals/Audacity 上的版本是 wiki 版，并且会经常更新。

它的翻译是 debian-edu-doc 软件包的一部分，可以安装在 web 服务器上，且可以在线得到。

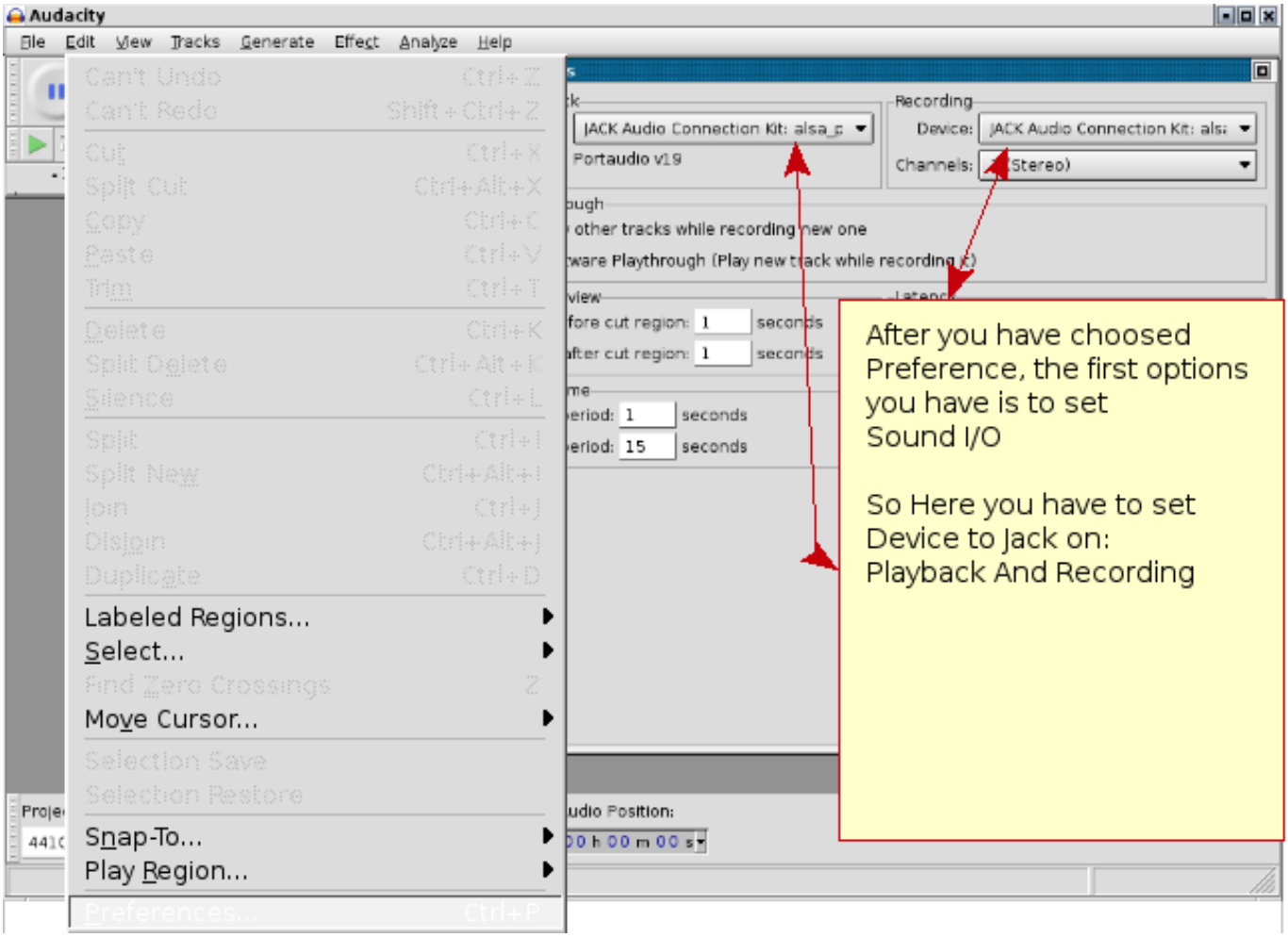
2 开始之前

设置 Audacity 并不难，只要记住设置 Audacity 来使用 JACK，这便能够运行同时使用声音的其他程序。设置 JACK 使其流畅运行的指南在这里：

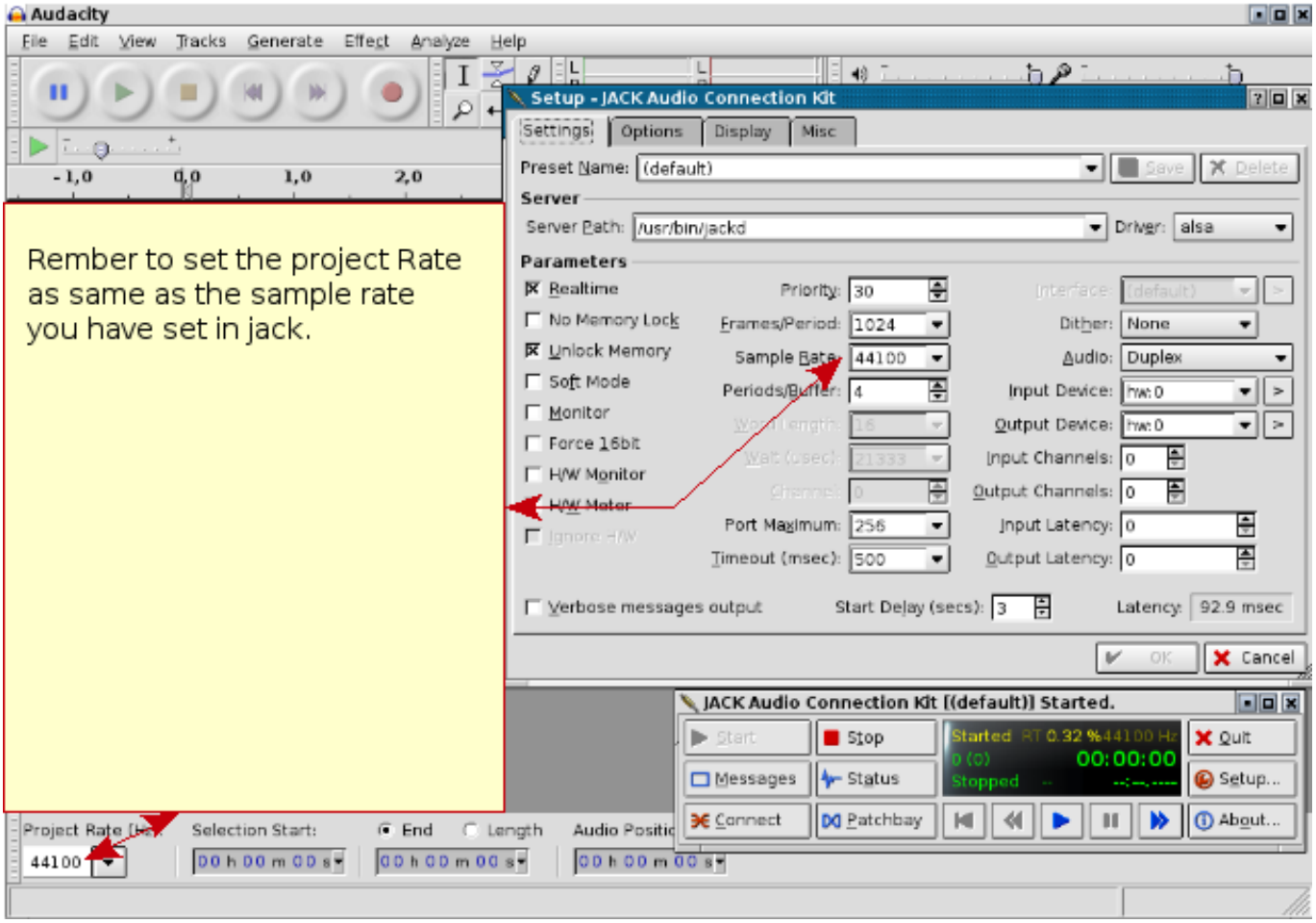
http://wiki.debian.org/DebianEdu/Documentation/Manuals/Rosegarden/Setup

制作本文档时使用的是 Audacity 1.3.3-Beta 版本。

所以为了设置 Audacity 使用 Jack，必须进入 menu --> Edit ---> Preferences。



接下来要注意的是，项目速率必须与 jack 中设置的取样速率相同。



2.1 插件

这里是一些可能会需要的插件：

** 音频插件 **
swh-plugins
mcp-plugins
terminatorx

fixme: 装上一些您有经验的插件

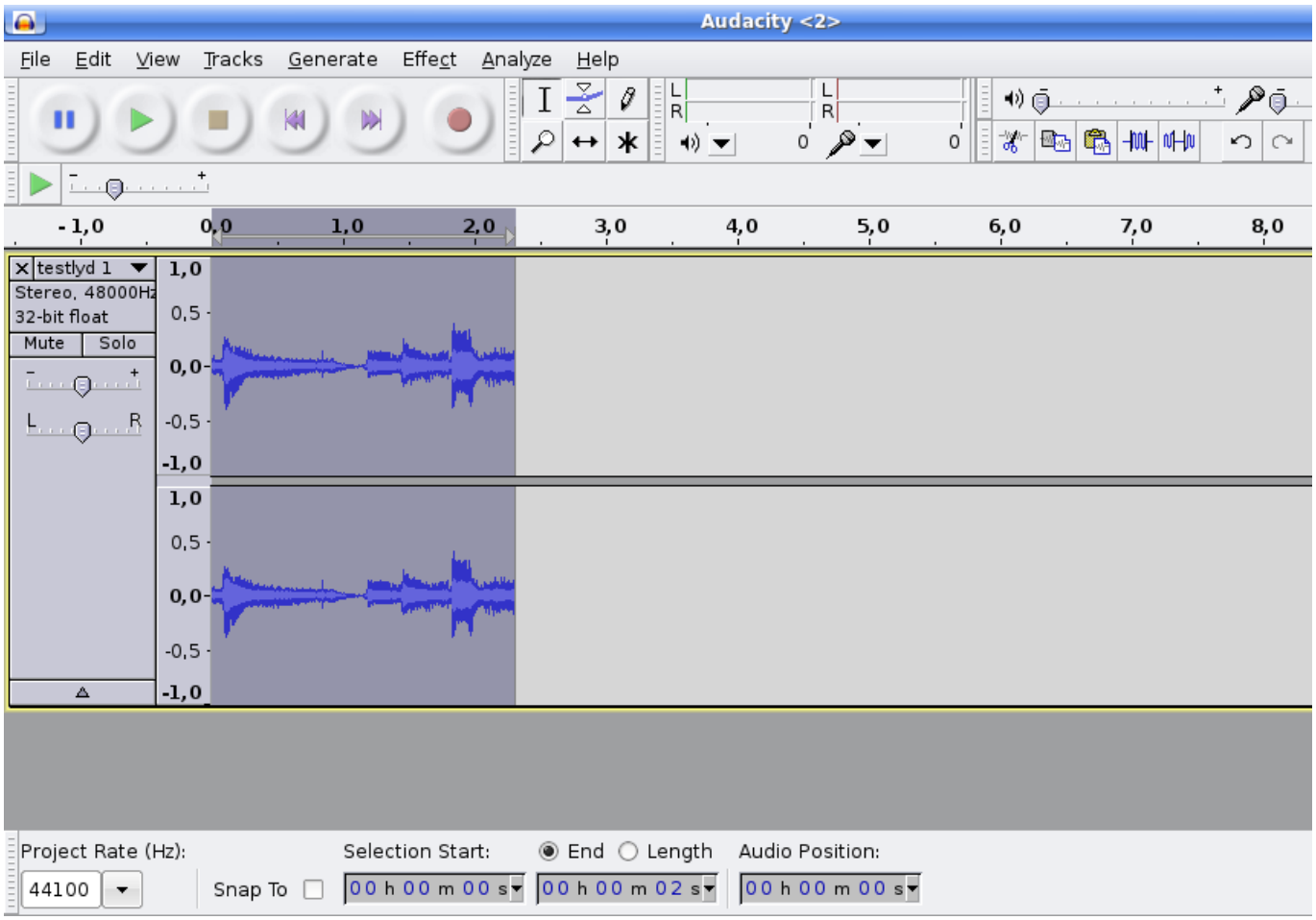
现在已经准备好开始录制了。

2.2 从何处获取 Audacity

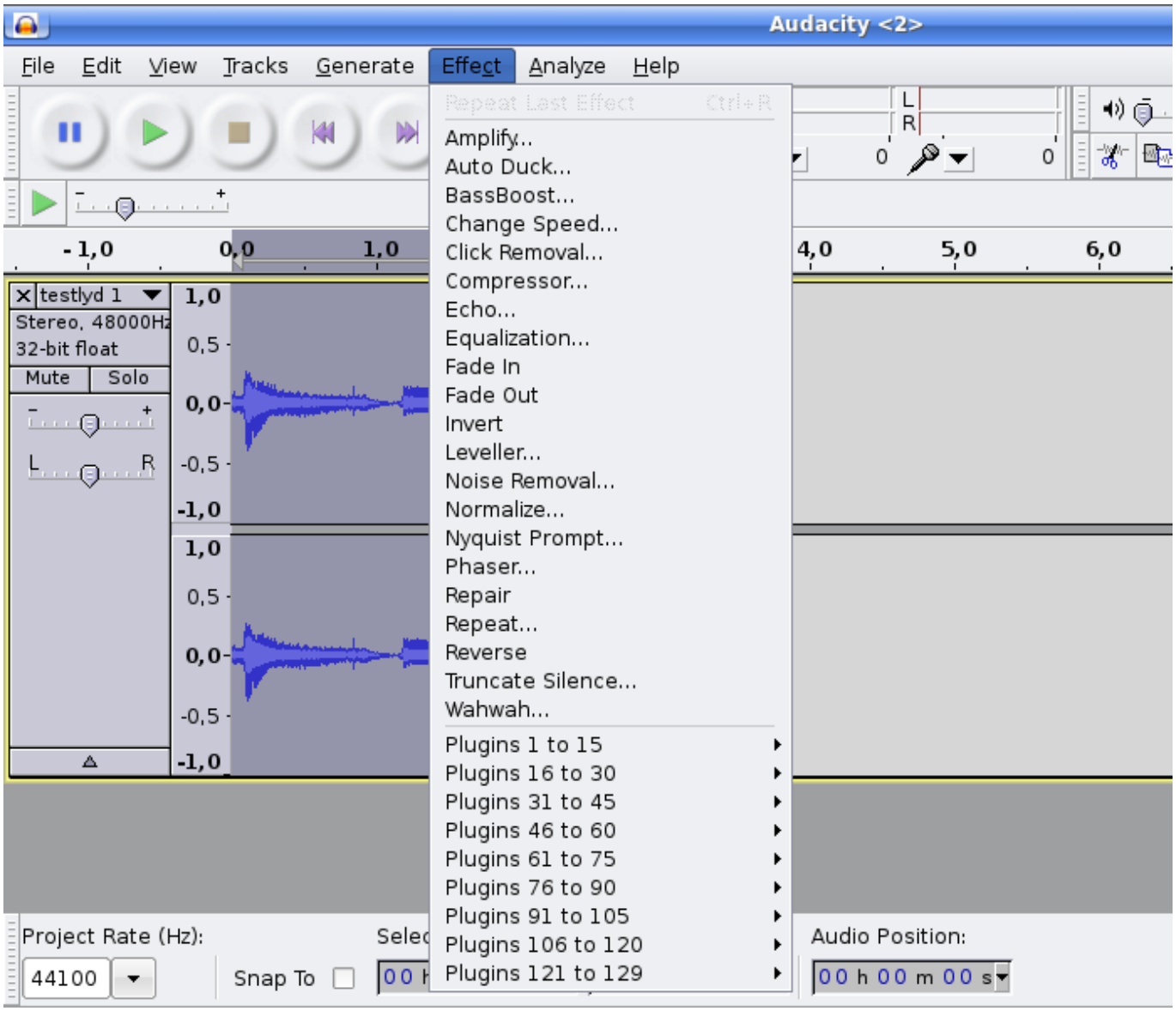
可以方便地使用 aptitude 来安装，也可以在这里的项目页面看一下 http://audacity.sourceforge.net/

3 进行一些录制

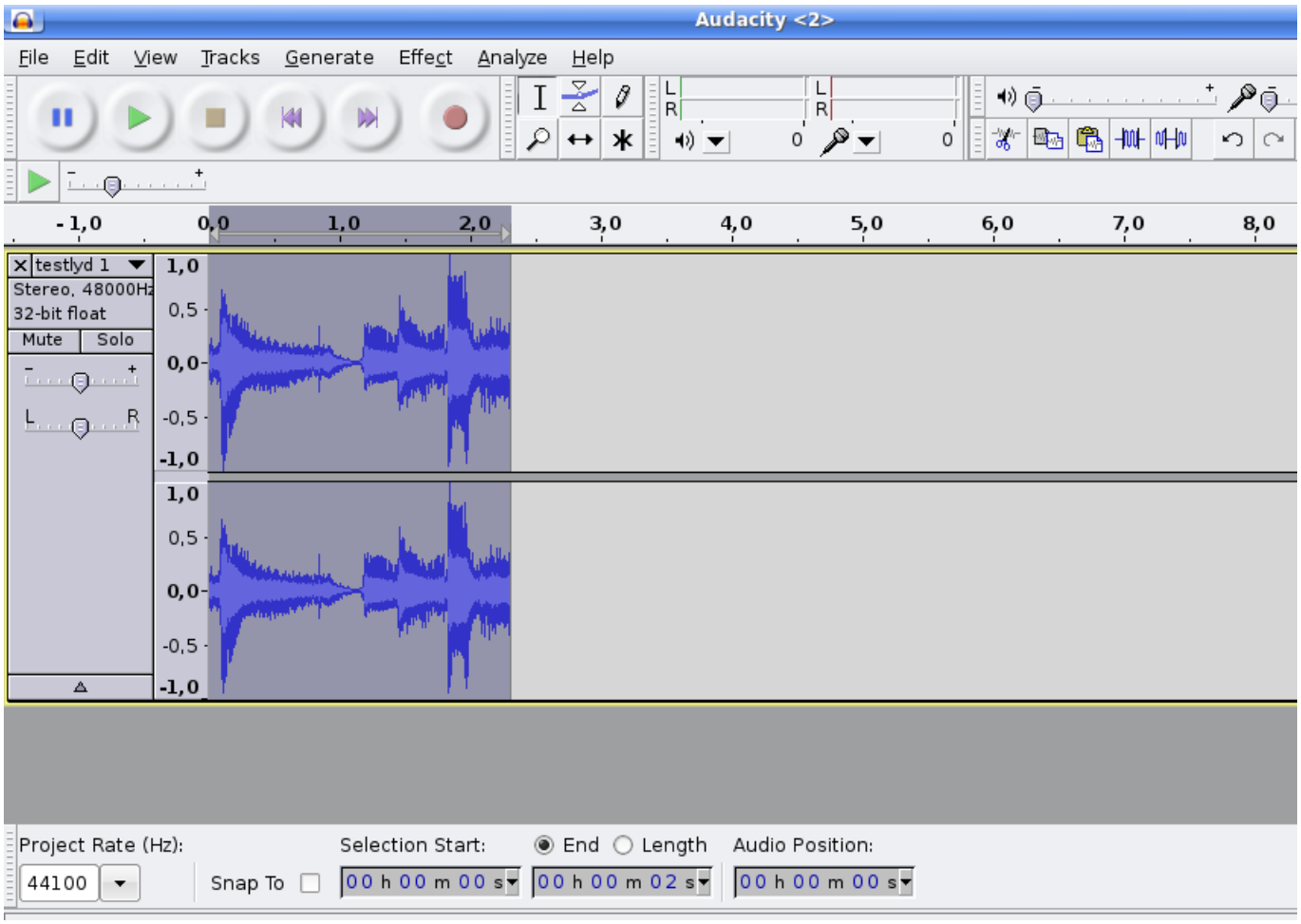
当录音首先记住小心不要将音量设置得过大，在这里设置得低一点比高一点更好。



当录制了想要的内容时，可以对录音进行标准化处理，使录音中的音量自动设置在正确的音量上，而任何部分的声音不会有过载的危险。



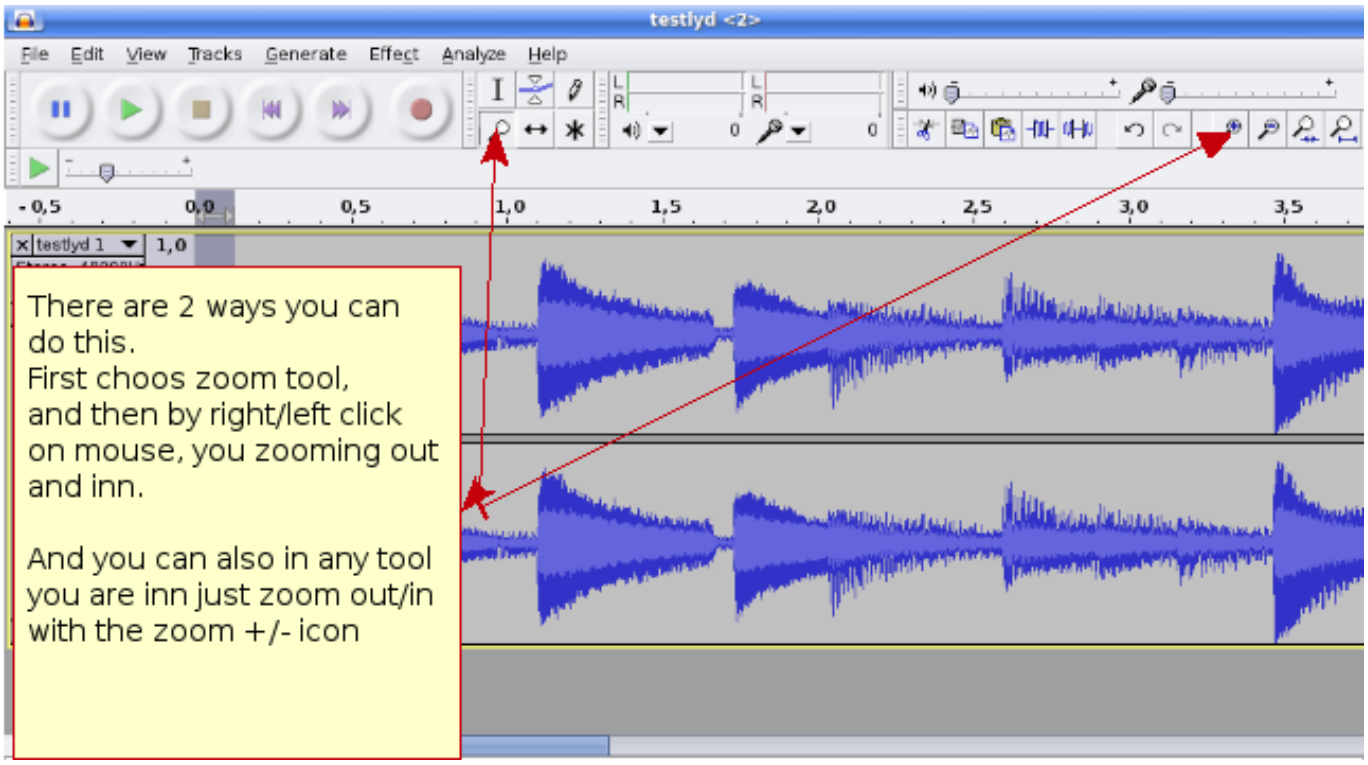
而后就会有一小段标准化的录音片段，看着像这样：



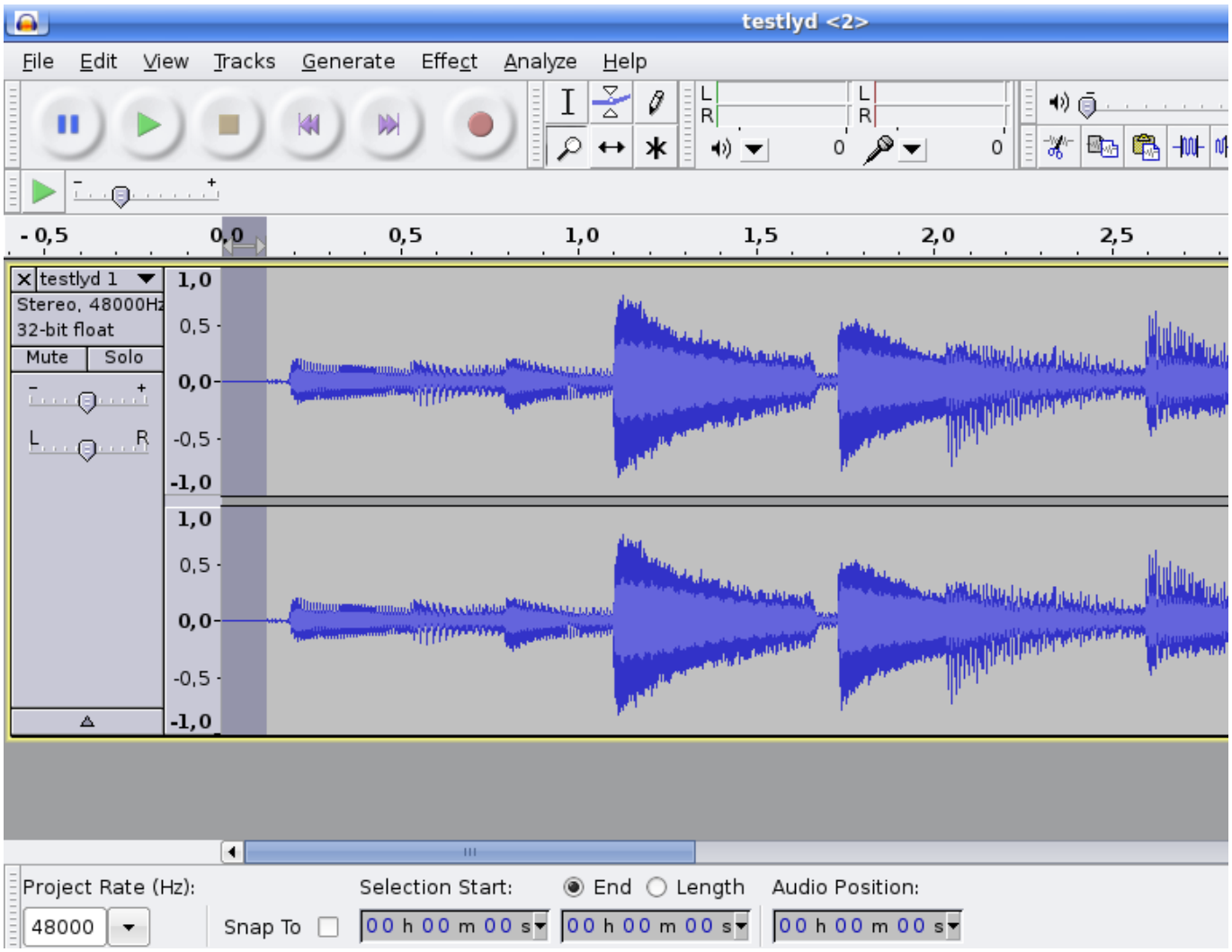
现在，这个录音片段的音量被纠正了。这是较好的方式来确保完成的录音不会过载，从而必须降低设置，此，让 Audacity 来修正它的音量。

现在想要从录音中去除噪音，也许是一些来自麦克风的背景的嘶嘶声。所以第一部分是从录音片段中制作想要去除的“噪音设定”。

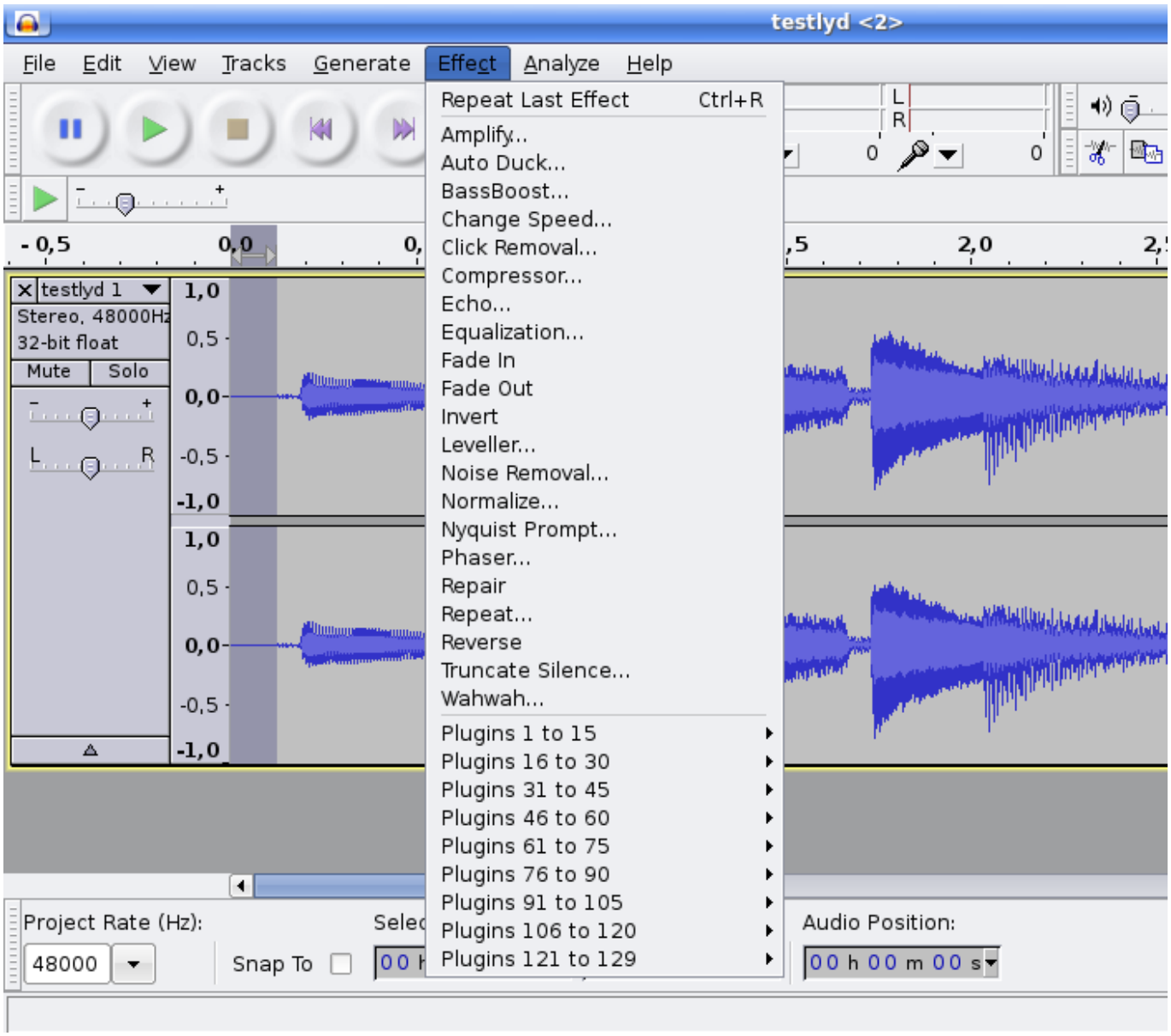
1. 首先放大，从而能够更清晰地看到录音。



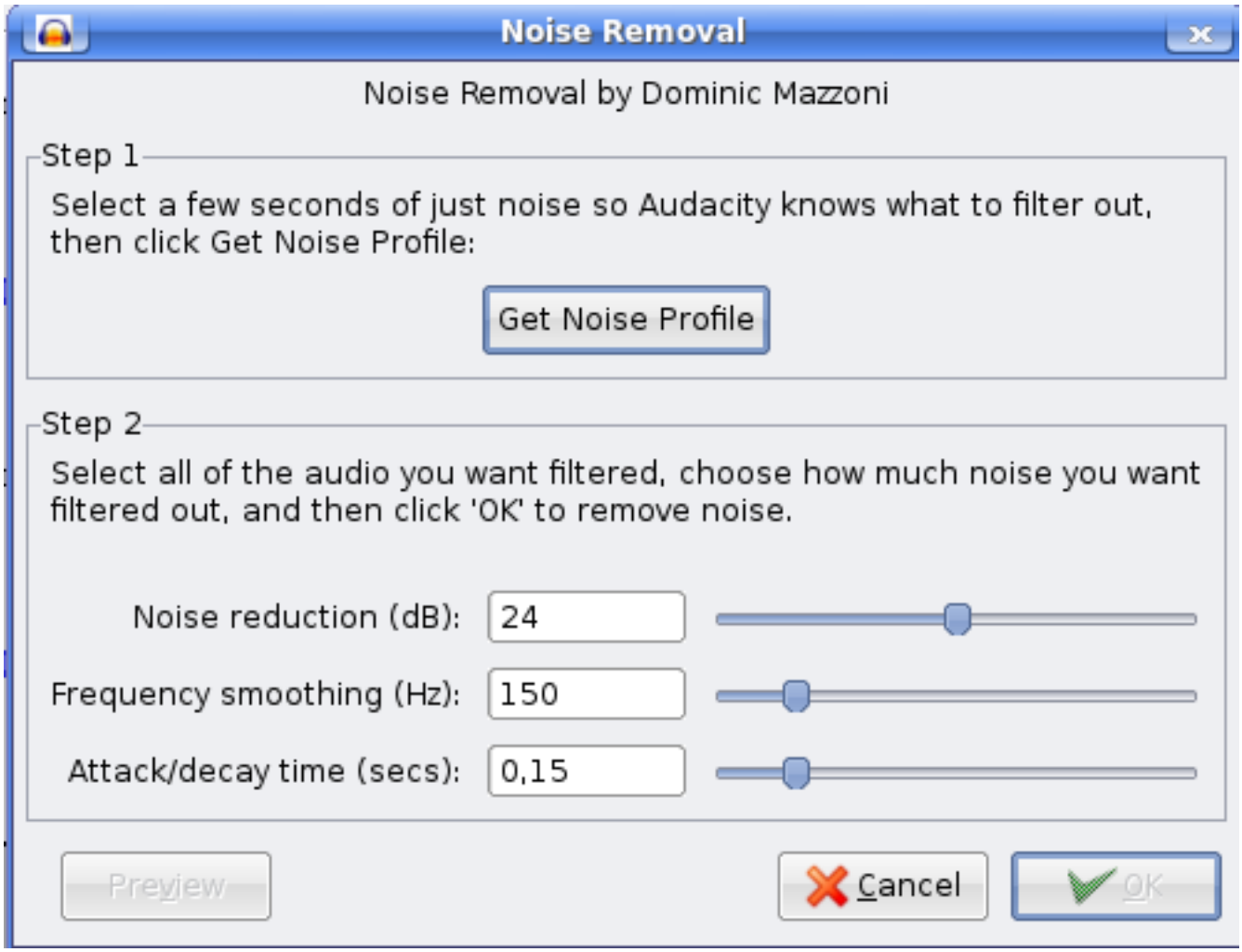
2. 然后，标记想要制作噪音设定的部分。通过在片段上左击鼠标并按住，然后拖动。这样就标记了需要得到噪音设定的部分。



3. 然后选择需要使用的 Noise removal 选项。


testlyd <2>
File Edit View Tracks Generate Effect Analyze Help
Repeat Last Effect Ctrl+R
Amplify...
Auto Duck...
BassBoost...
Change Speed...
Click Removal...
Compressor...
Echo...
Equalization...
Fade In
Fade Out
Invert
Leveller...
Noise Removal...
Normalize...
Nyquist Prompt...
Phaser...
Repair
Repeat...
Reverse
Truncate Silence...
Wahwah...
Plugins 1 to 15
Plugins 16 to 30
Plugins 31 to 45
Plugins 46 to 60
Plugins 61 to 75
Plugins 76 to 90
Plugins 91 to 105
Plugins 106 to 120
Plugins 121 to 129
testlyd 1
Stereo, 48000Hz
32-bit float
Mute Solo
Project Rate (Hz):
48000
Snap To
Audio Position:
00 h 00 m 00 s

4. 然后创建“噪音设定”。



5. 然后点击 CTRL + A 选择整个录音，并再次从菜单选择 Noise removal，而这次按 OK。

然后如果根据喜好想要添加一些混响，和其它宜人的效果，建议在安装插件后搜索能用的大菜单。

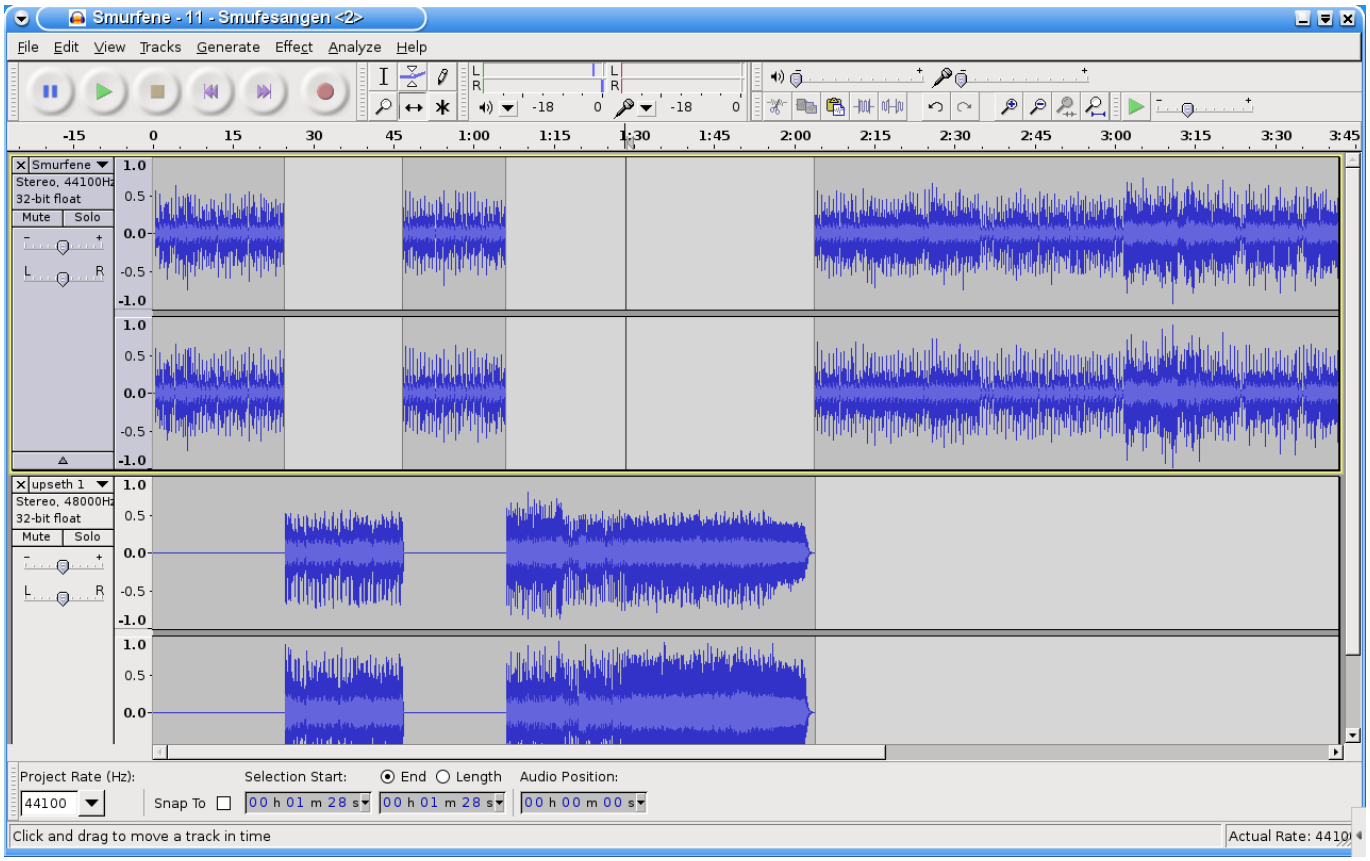
有几种方式来导出完成的成果。可以输出为 WAV、AIFF MP3、OGG、FLAC，文件菜单里选择导出。

4 导入音频

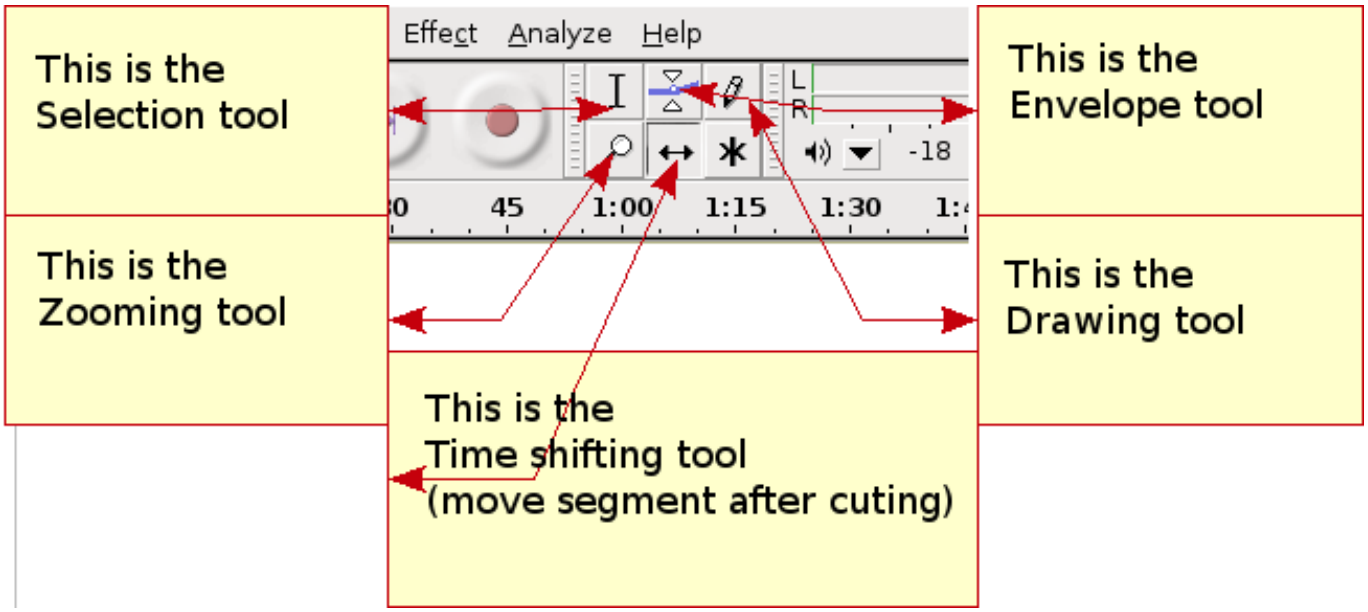
使用 Audacity 可以导入多种常规音频：音频、MIDI、标签和原始数据。可以直接将 MP3 文件导入项目，并在 Audacity 里将不同的歌曲混合到一起。

举个例子。

首先是主歌曲”smurfesangen”，而后为混合可以导入另一首歌，在菜单中选择 > > file > > Import Audio，然后新导入的音频会出现在第一个音频下面，这里的混合能力极大。



5 工具部分

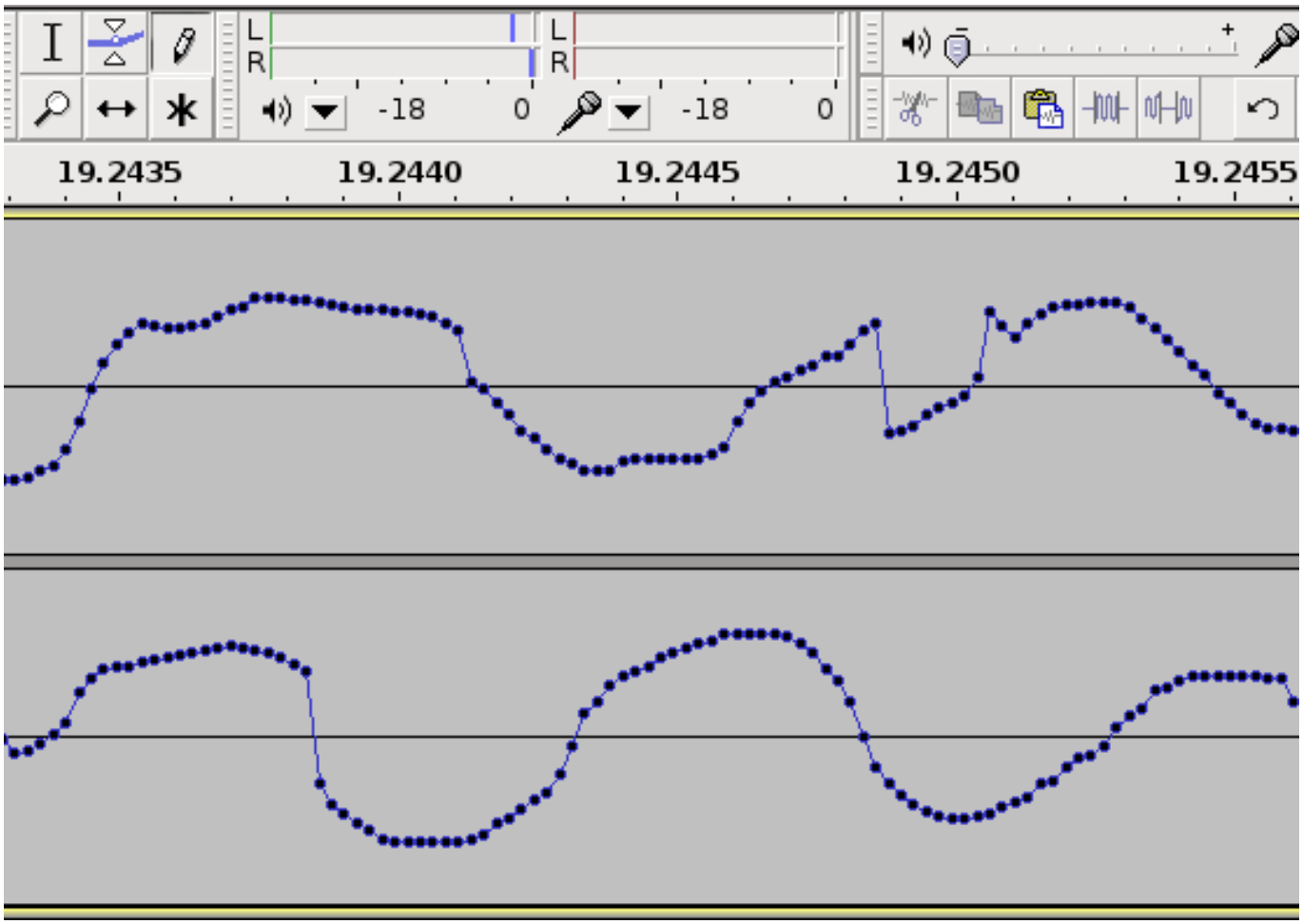


5.1 选择工具

要分离音频，从而可以移动的部分音频，首先要使用选择工具，选取需要剪切的。而后使用“ctrl + I”来分离。然后使用时间移动工具来移动片段。

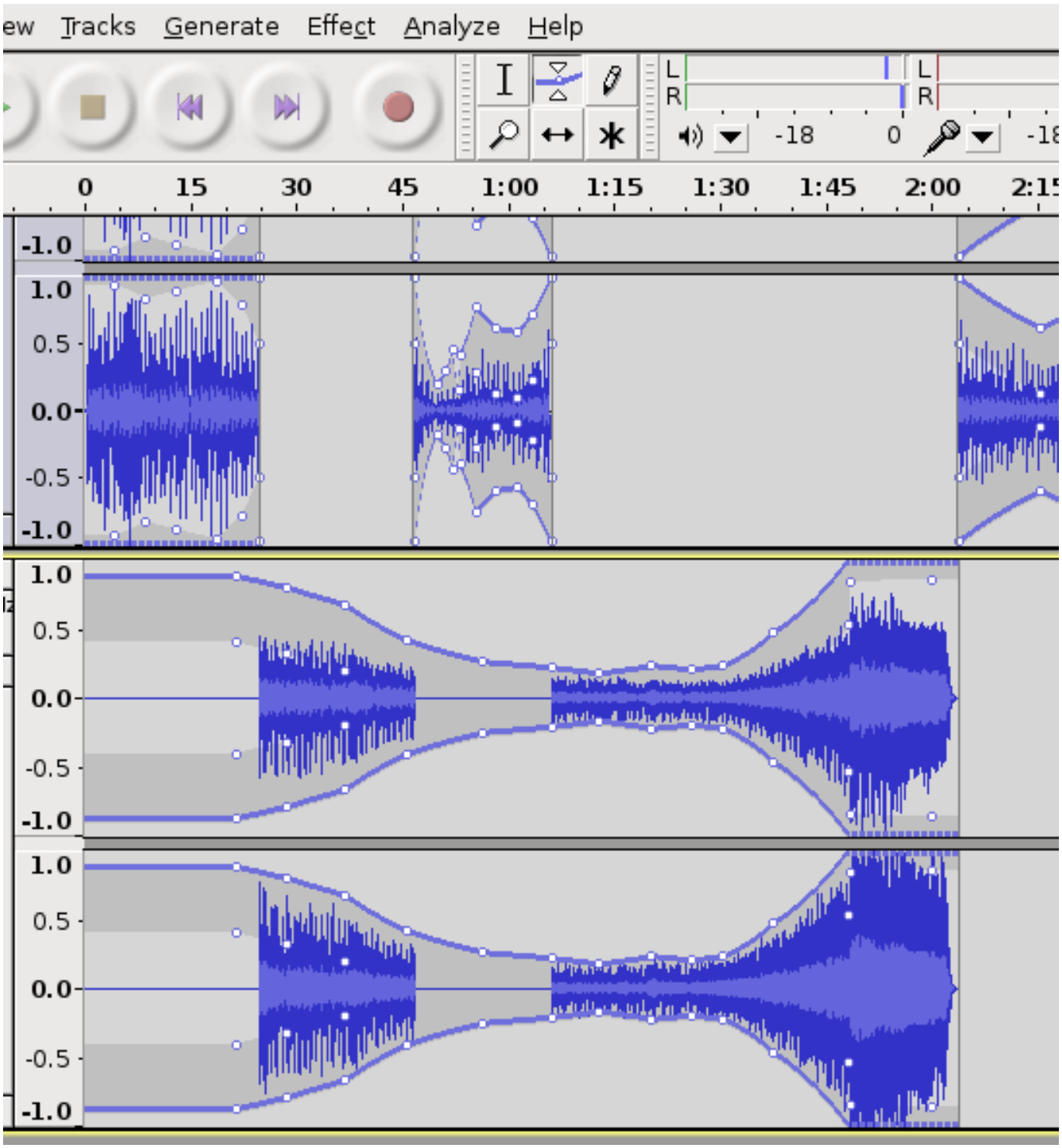
5.2 缩放工具

使用缩放工具可以缩放音频的片段，然后用绘制工具来操作这一音频。



5.3 包络工具

可以使用包络工具在片段上的任何位置增加或降低音量来处理音量。



5.4 时间移动工具

使用时间移动工具可以在一定范围内到处移动音频片段。

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7.1 Audacity 手册

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