Debian Edu / Skolelinux Audacity 手册

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Contents

1   Audacity 手册

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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。
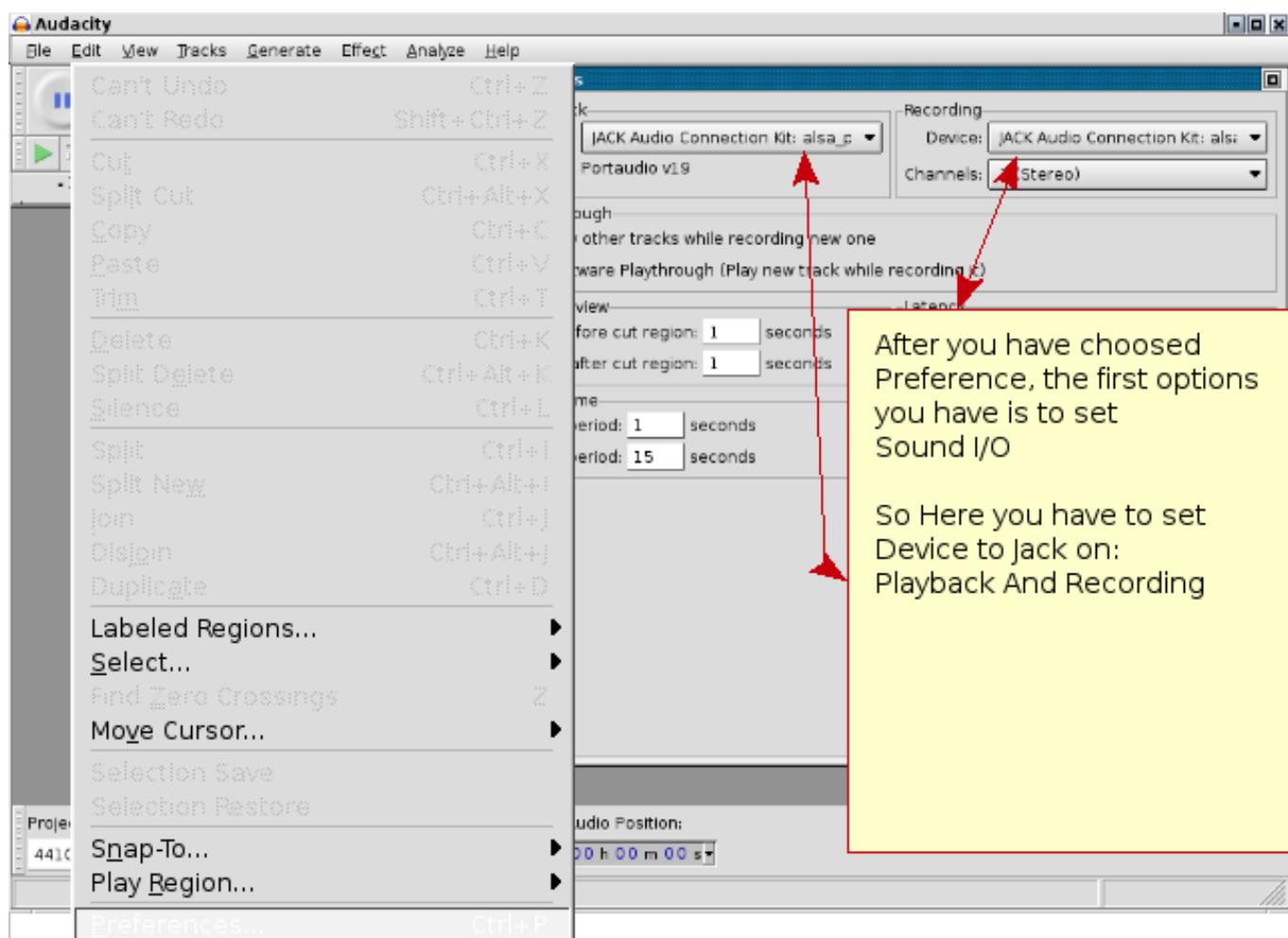
2   开始之前

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
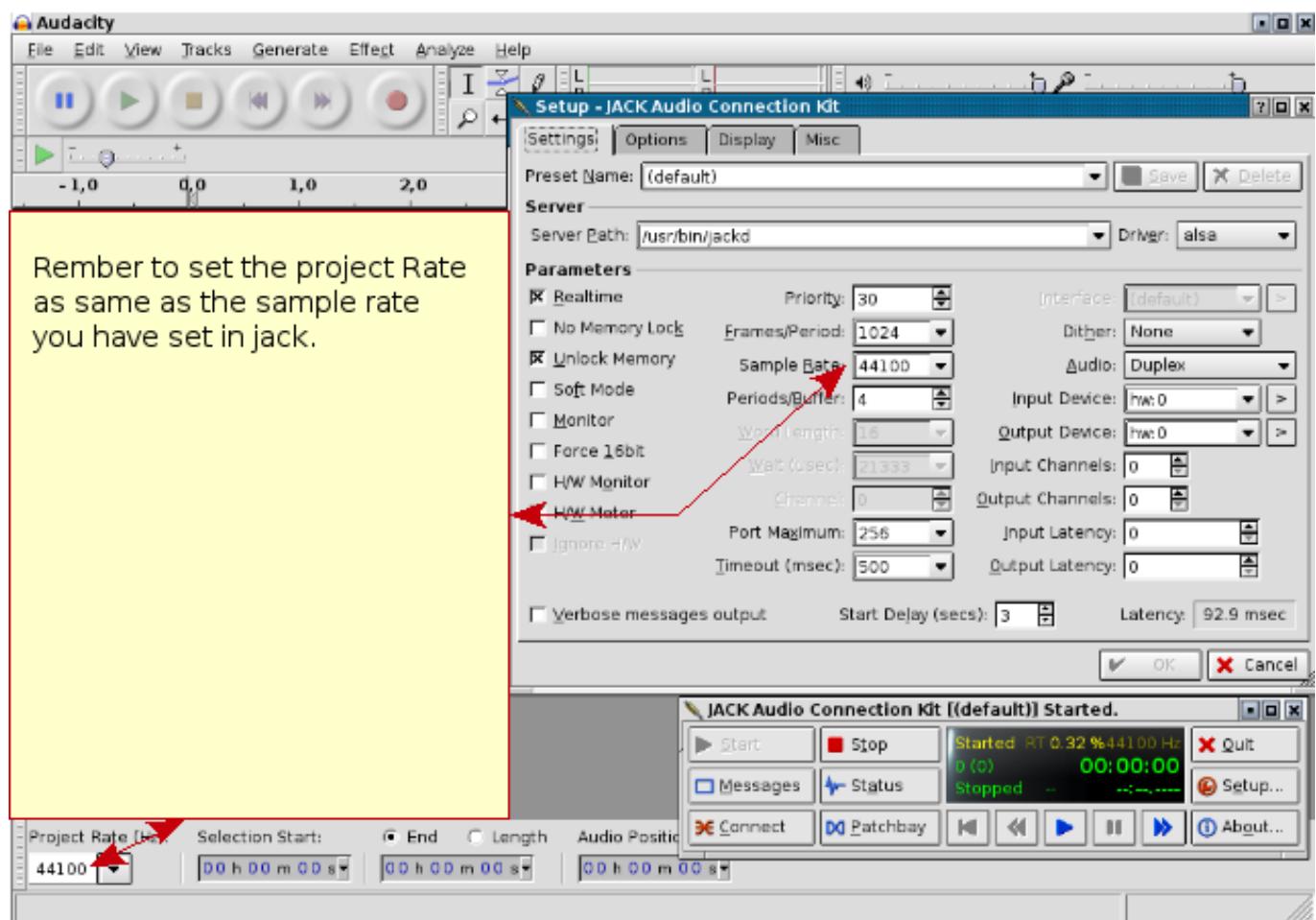
制作本文档时使用的是 Audacity 1.3.3-Beta 版本。

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
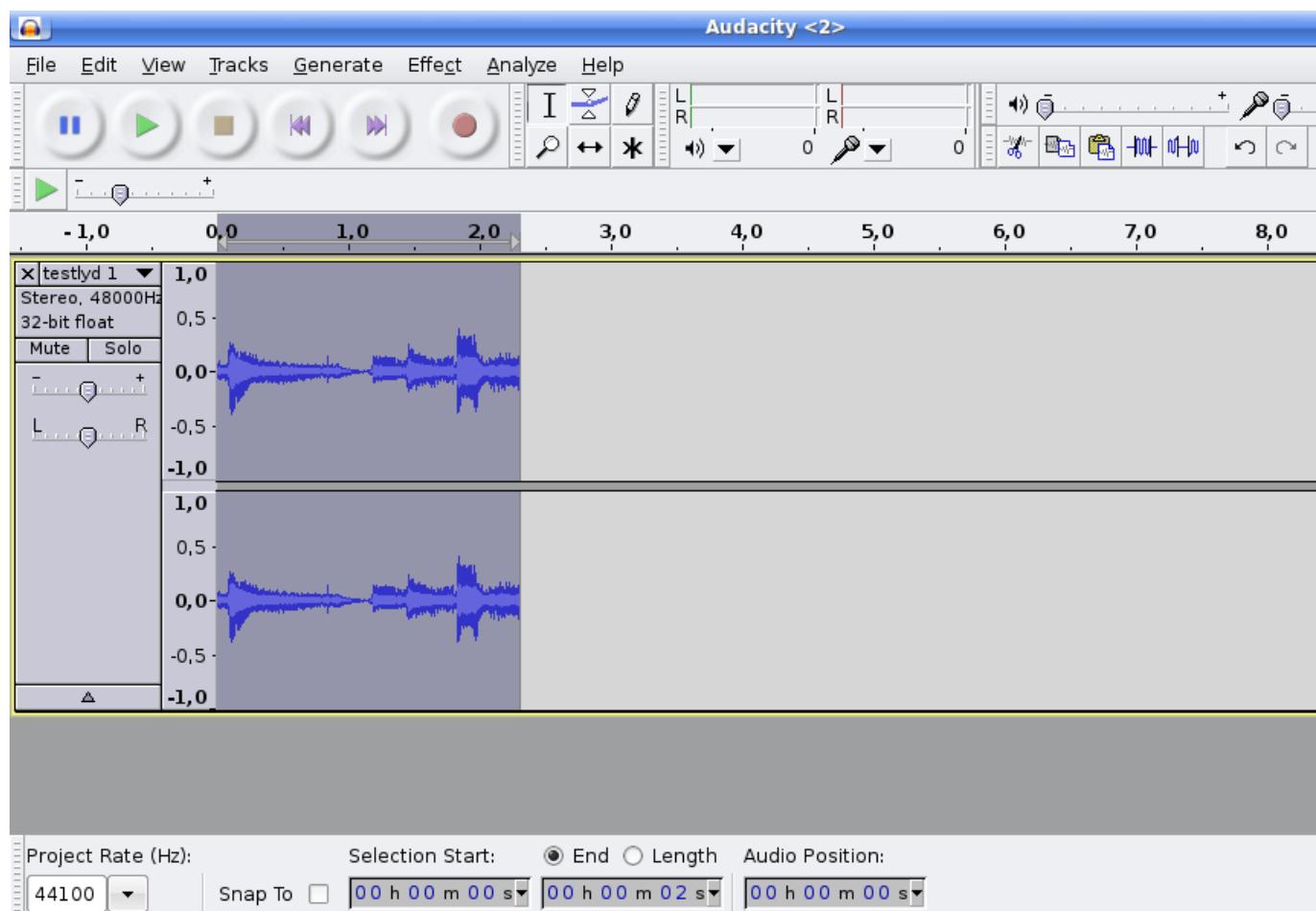
现在已经准备好开始录制了。

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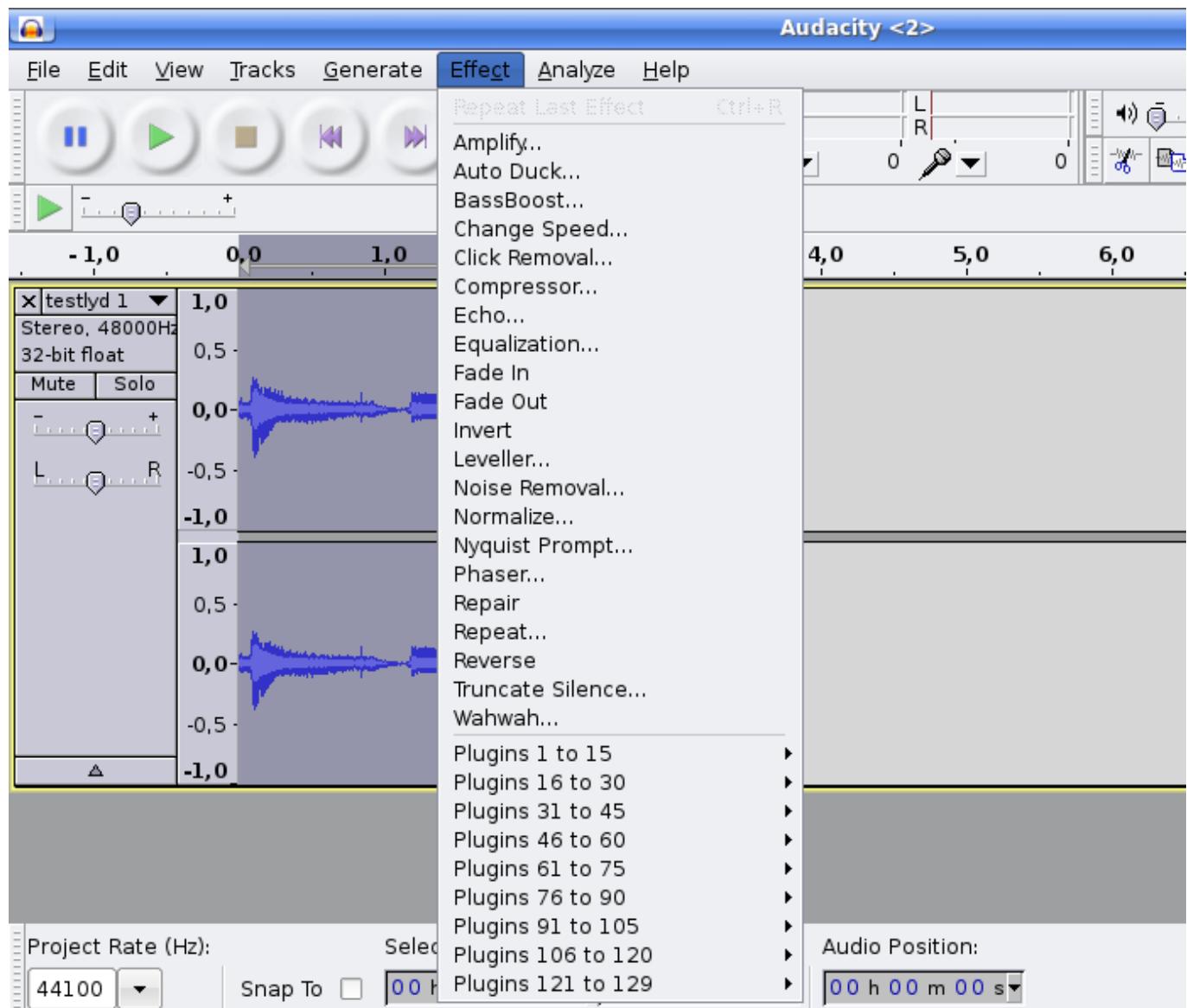
可以方便地使用 aptitude 来安装，也可以在这里的项目页面看一下 http://audacity.sourceforge.net/

3　进行一些录制
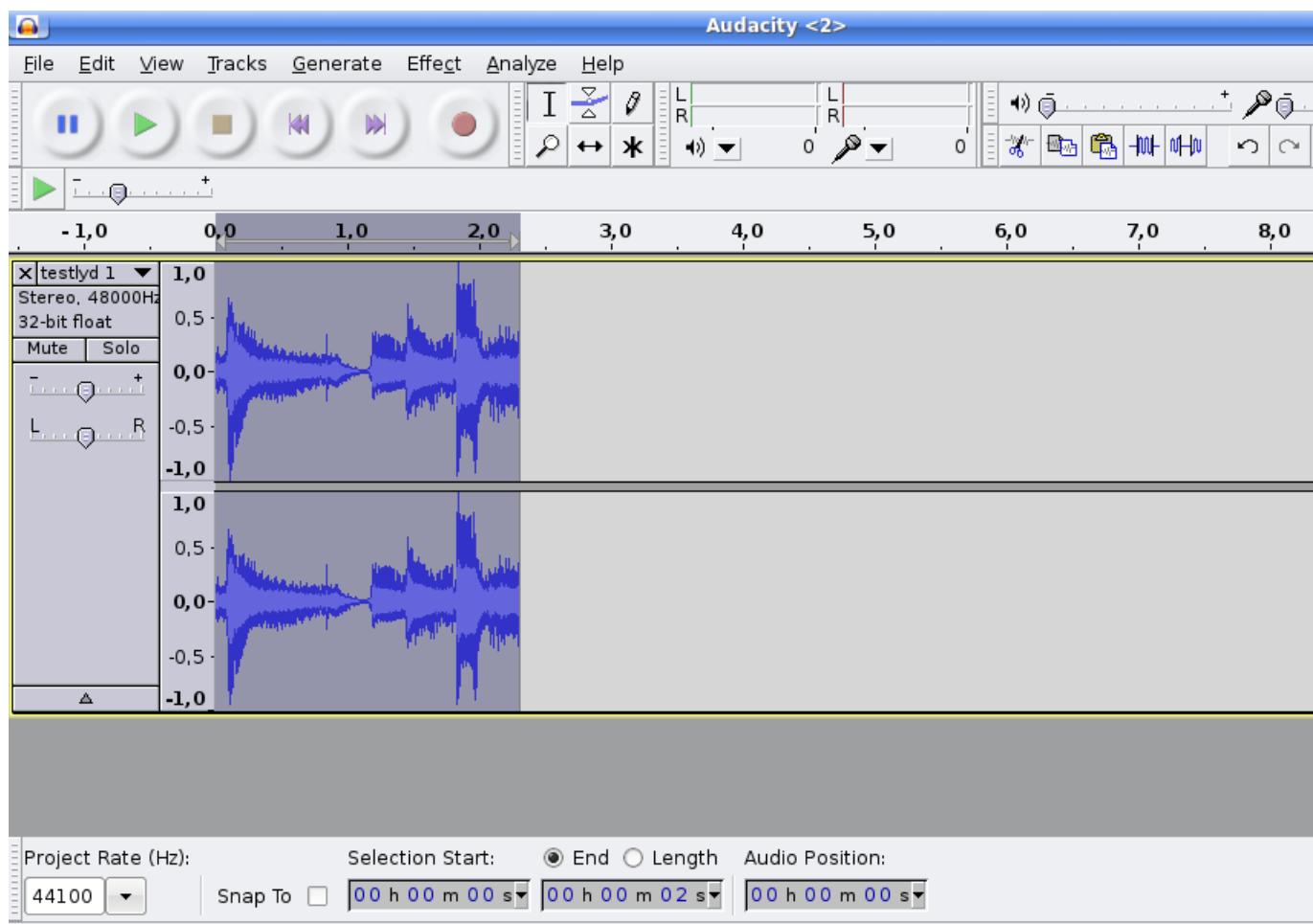
当录音首先记住小心不要将音量设置得过大，在这里设置得低一点比高一点更好。

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。
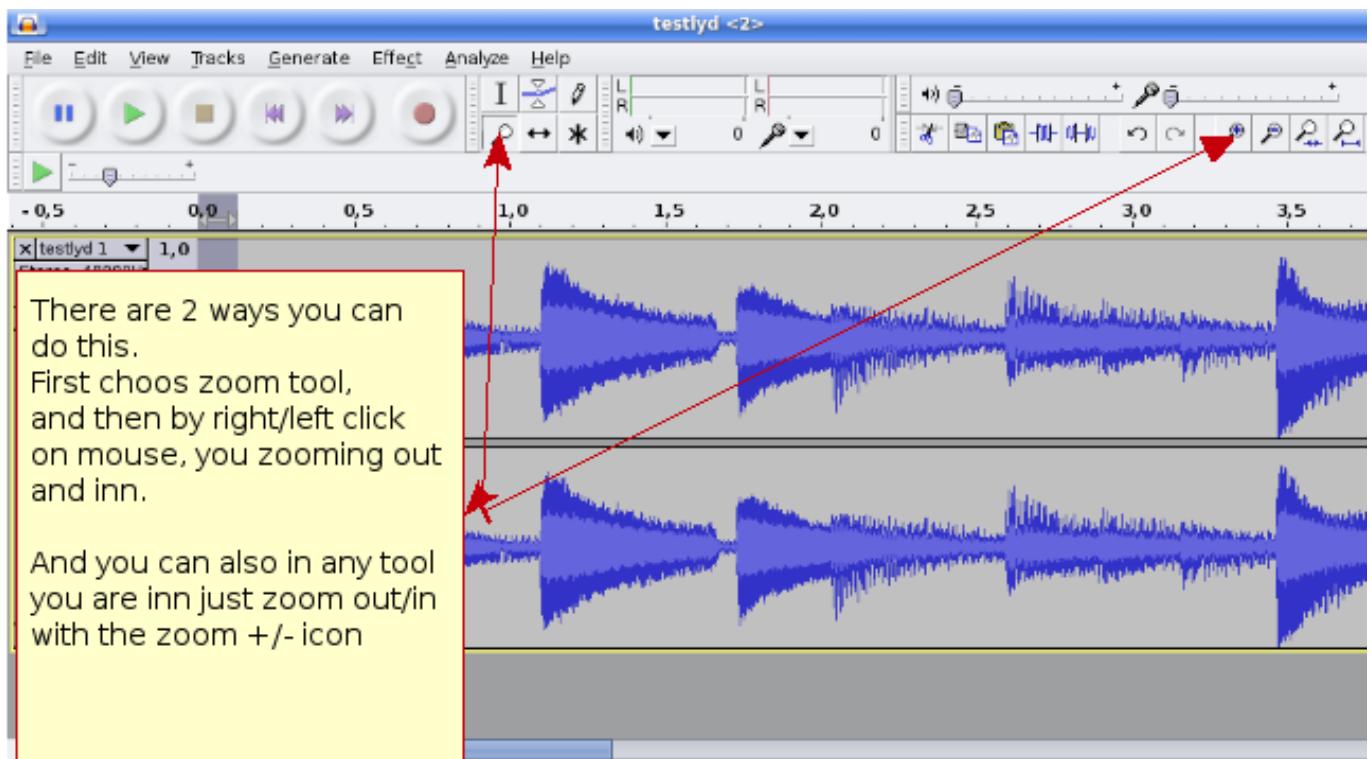
而后就会有一小段标准化的录音片段，看着像这样：
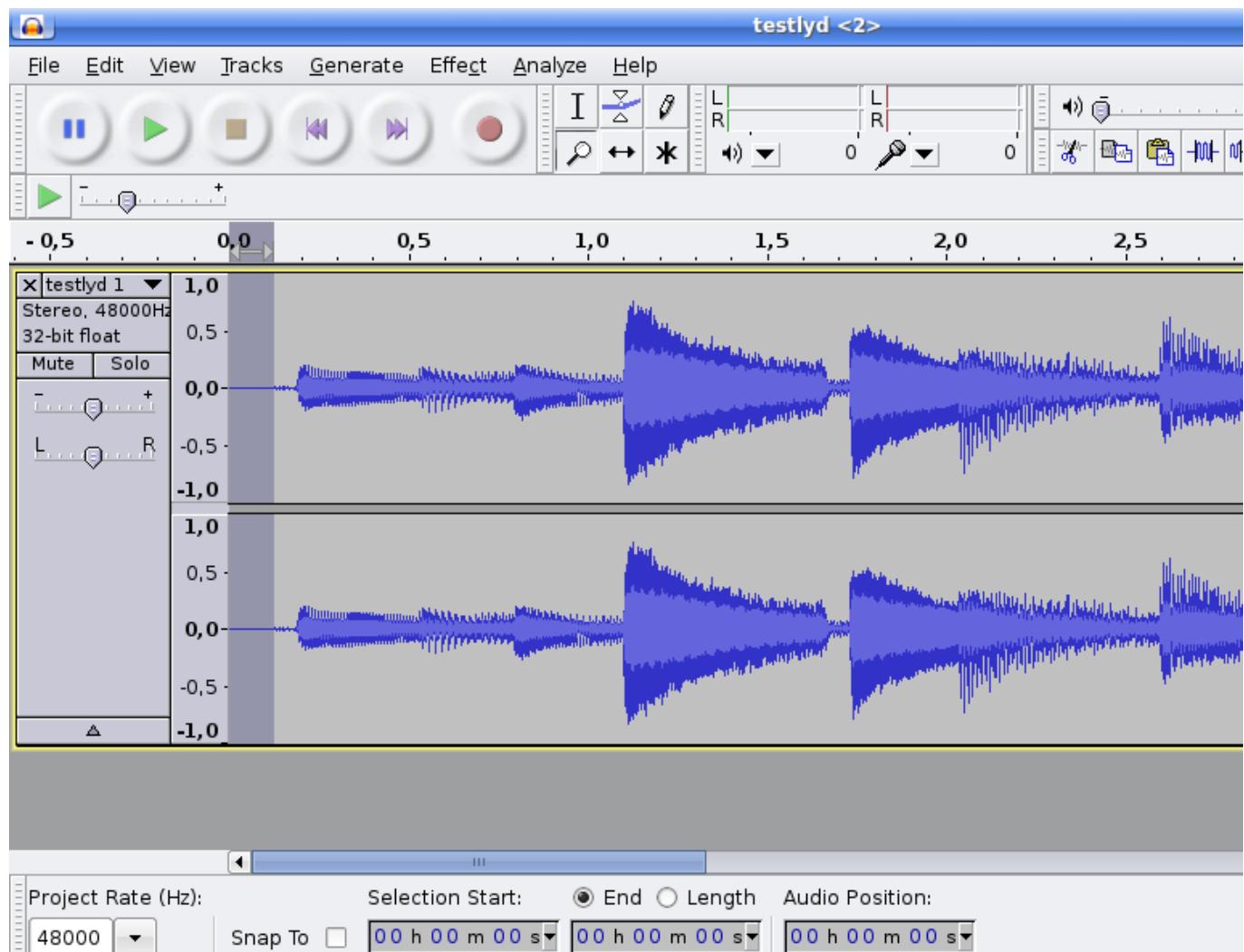
现在，这个录音片段的音量被纠正了。这是较好的方式来确保完成的录音不会过载，从而必须降低设置，此，让 Audacity 来修正它的音量。

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"。
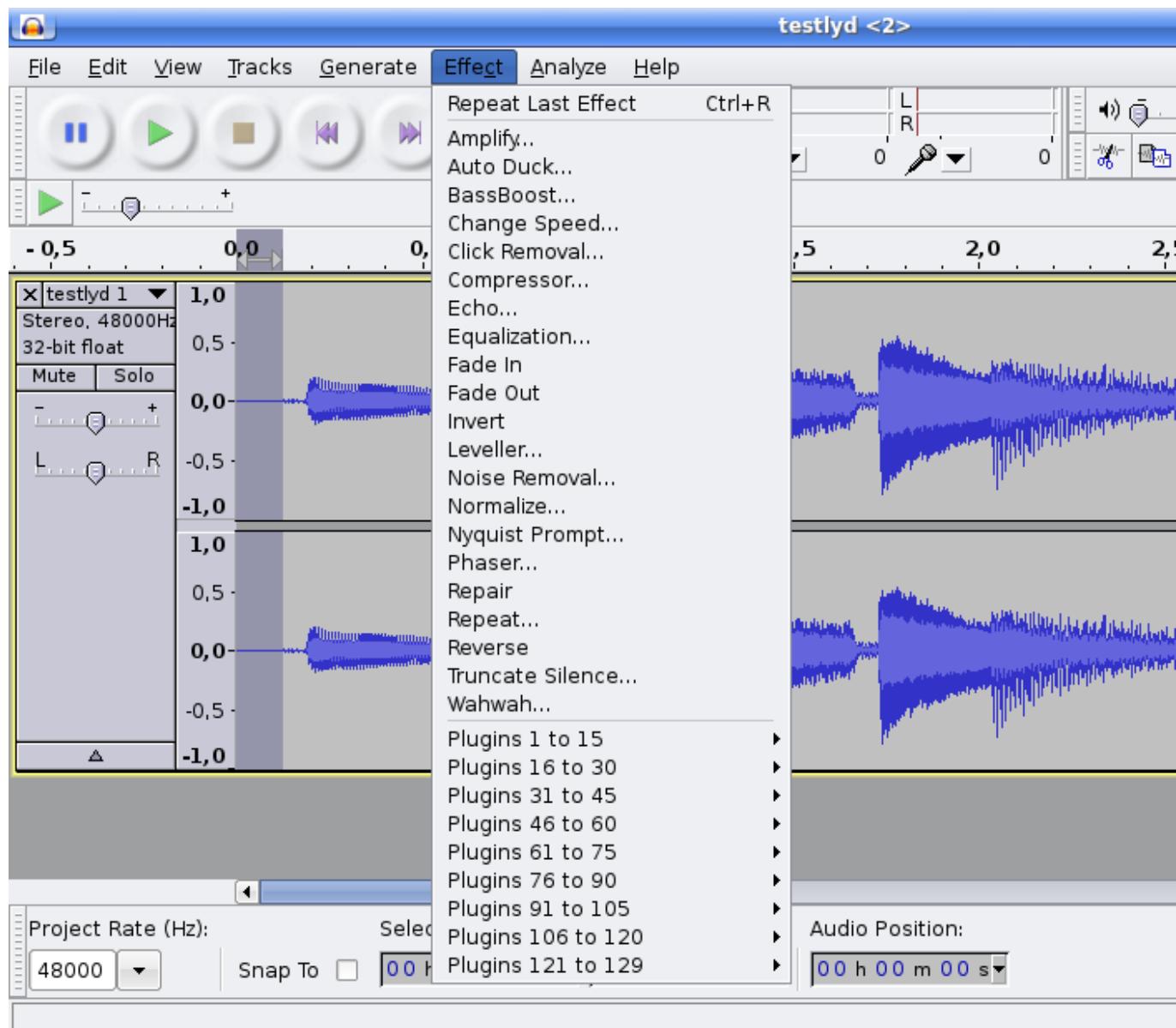
1. 首先放大，从而能够更清晰地看到录音。
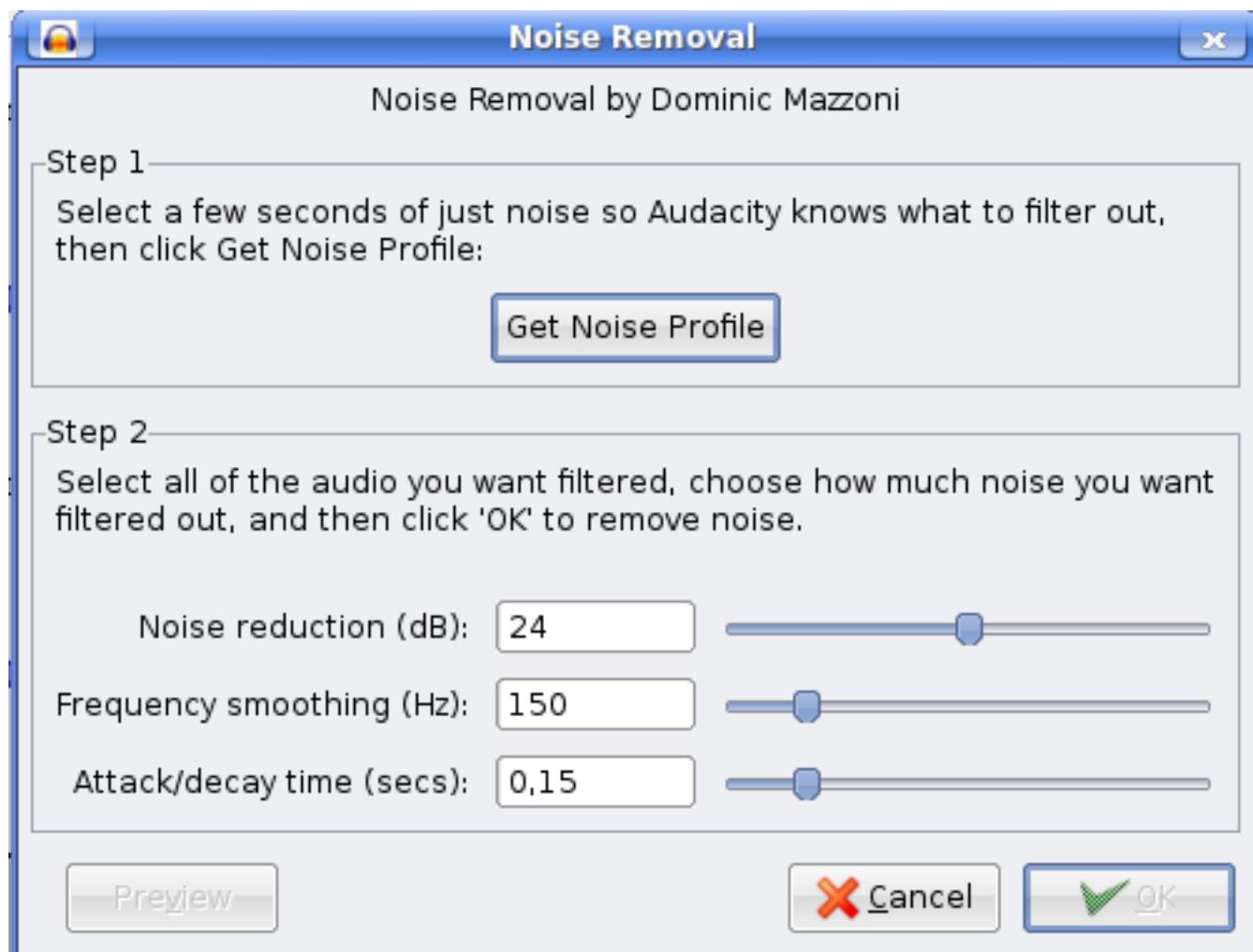
2. 然后，标记想要制作噪音设定的部分。通过在片段上左击鼠标并按住，然后拖动。这样就标记了需要得到噪音设定的部分。

3. 然后选择需要使用的 Noise removal 选项。

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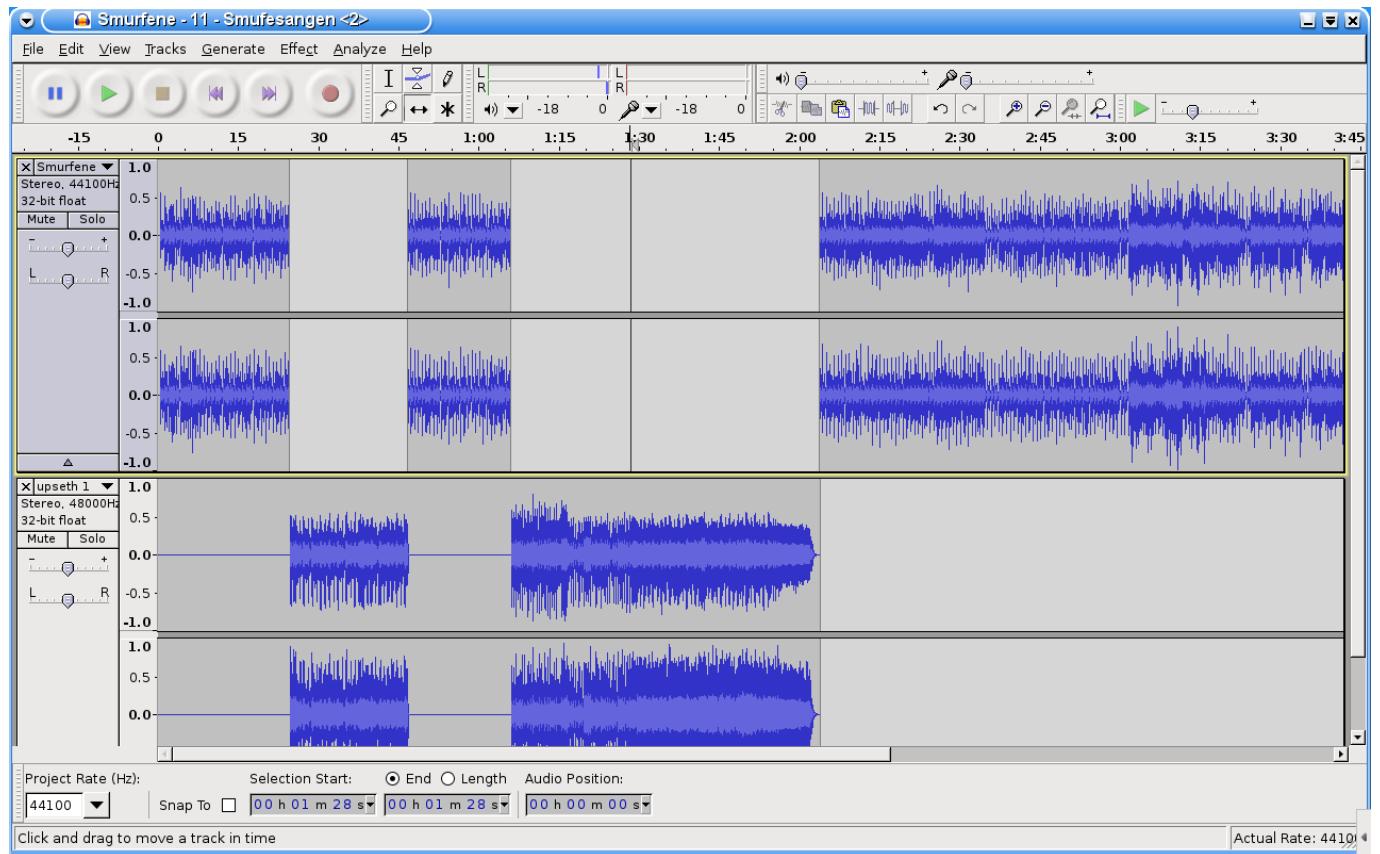
有几种方式来导出完成的成果。可以输出为 WAV、AIFF MP3、OGG、FLAC，文件菜单里选择导出。

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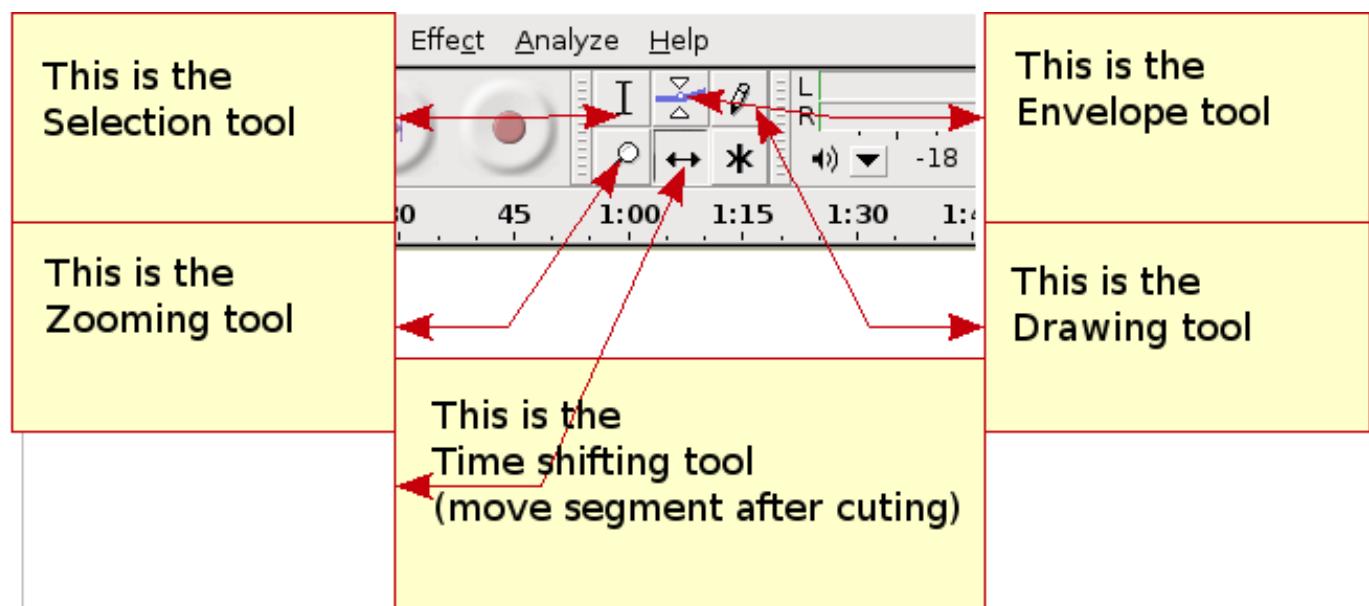
使用 Audacity 可以导入多种常规音频：音频、MIDI、标签和原始数据。可以直接将 MP3 文件导入项目，并在 Audacity 里将不同的歌曲混合到一起。

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
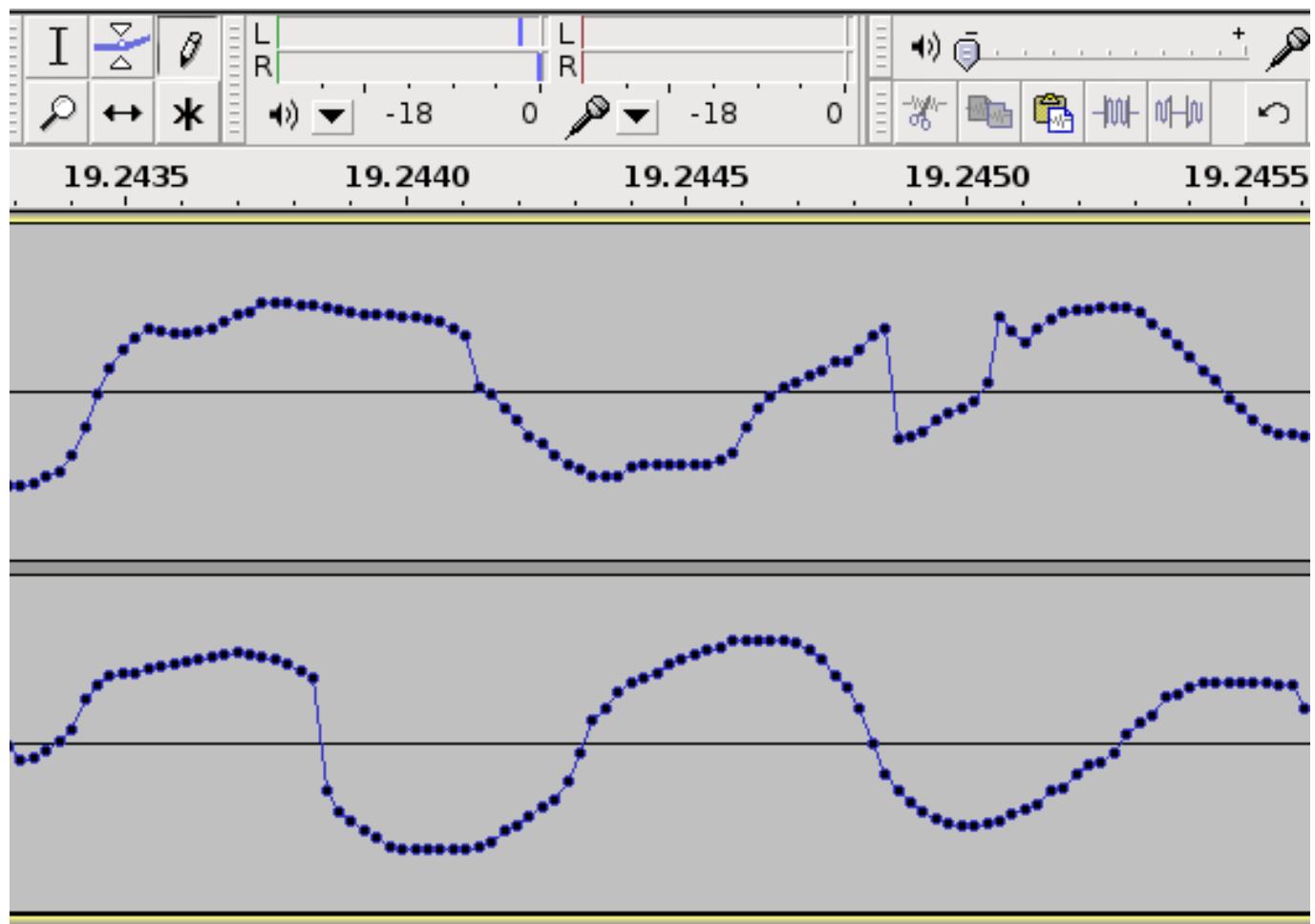
5.1 选择工具

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。
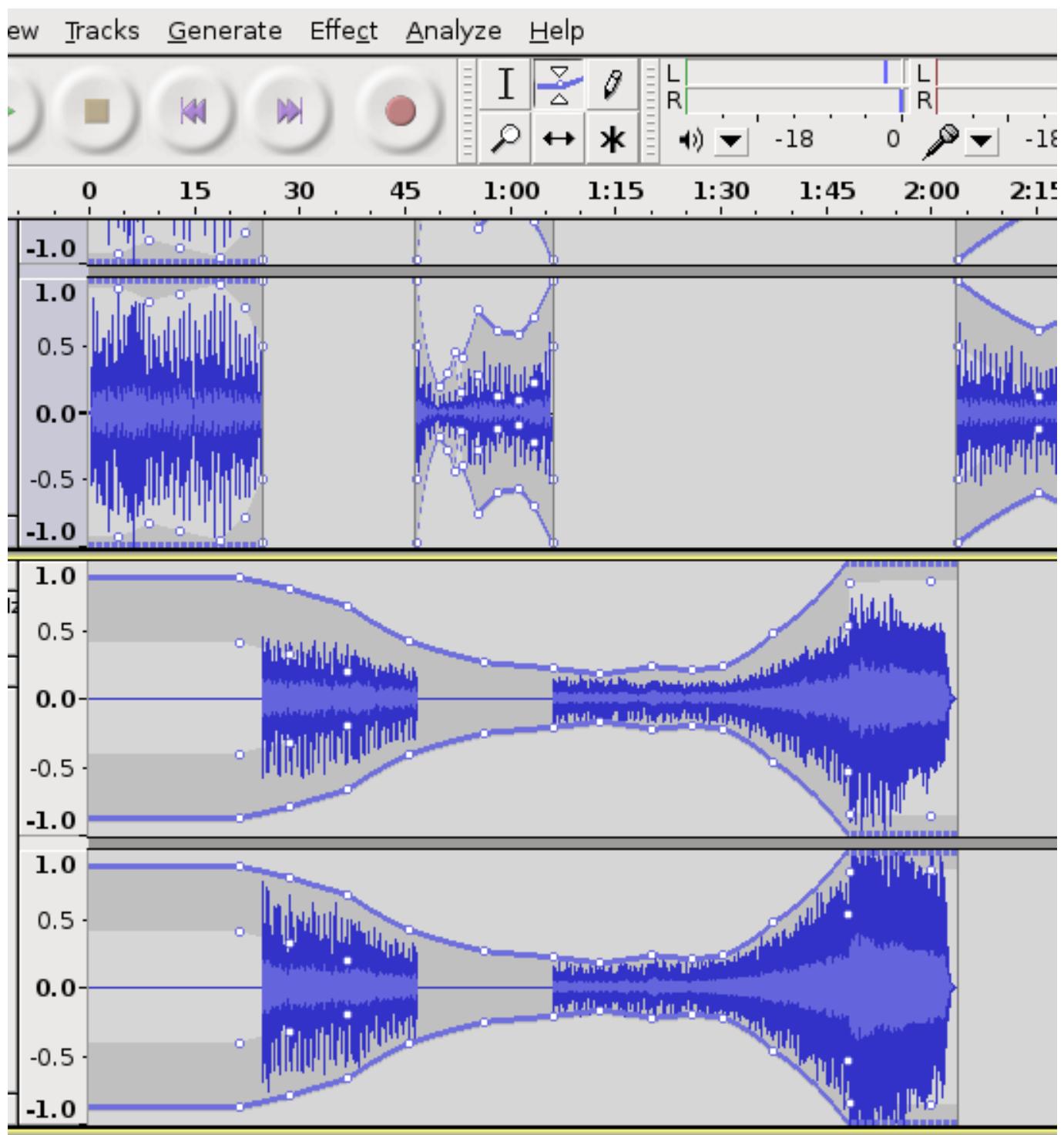
5.2   缩放工具

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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