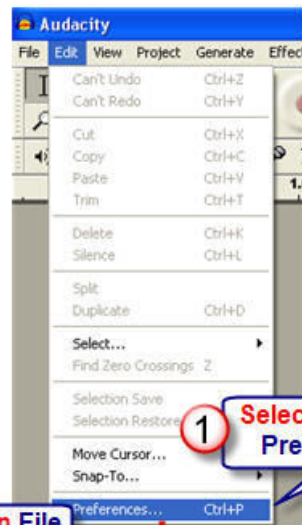


## Getting ready to podcast

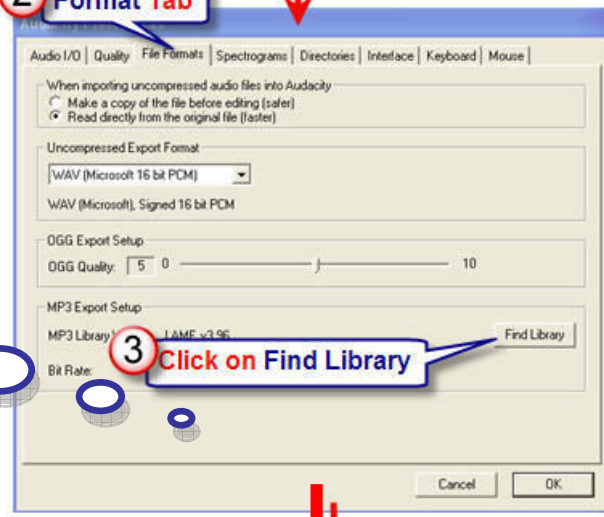
### 1. Setting Audacity preferences on your computer

Prior steps – Download Audacity and LAME mp3 encoder  
- Launch Audacity



1 Select Edit then Preferences

2 Click on File Format Tab

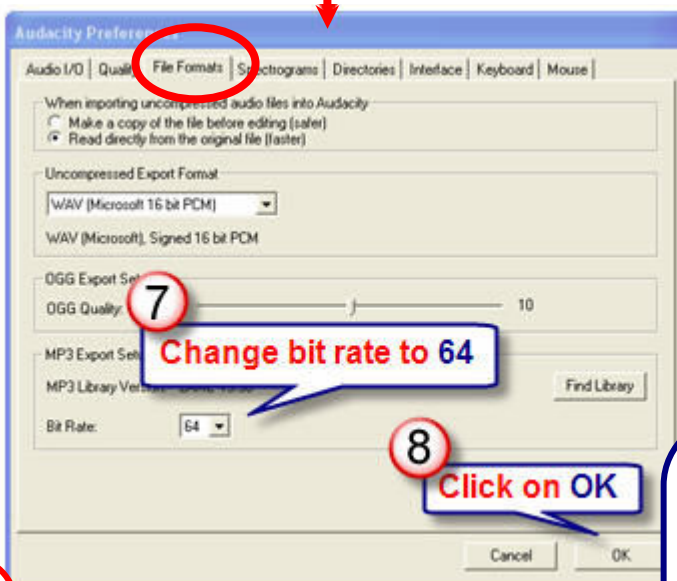
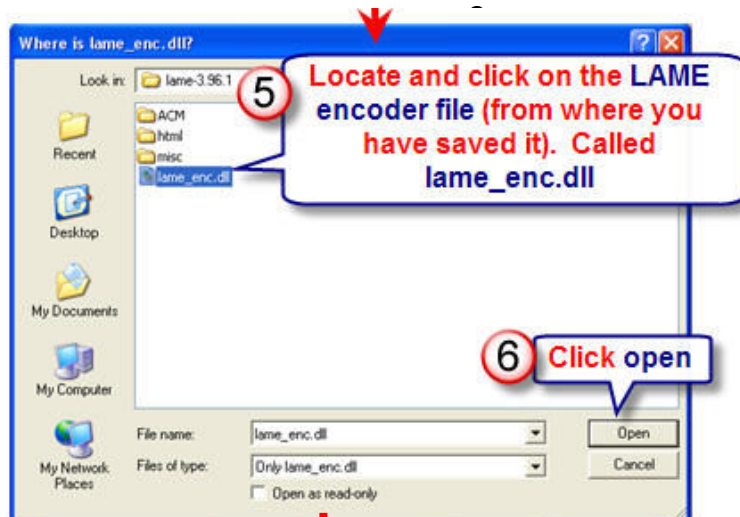


3 Click on Find Library

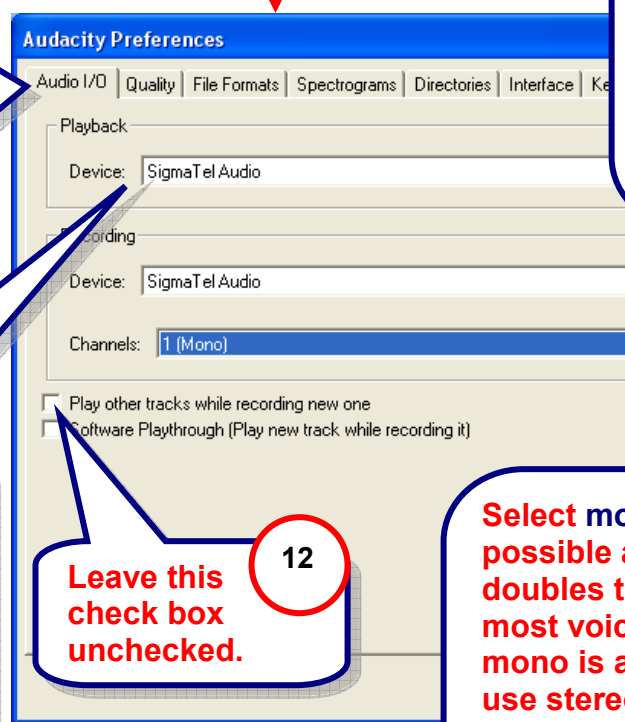
This tells Audacity where the LAME encoder is located



4 Click on Yes



From the drop down window under Recording, select the sound source you want to record from (e.g. the Logitech USB Headset is the microphone that will be used in this example to record some voiceover narration).



Click on Audio I/O tab (this is where you'll tell Audacity where to record your sound from and where to play it back).

From the drop down menu select the output device that you would like to route the sound through. E.g. to the sound card on your computer.

Leave this check box unchecked.

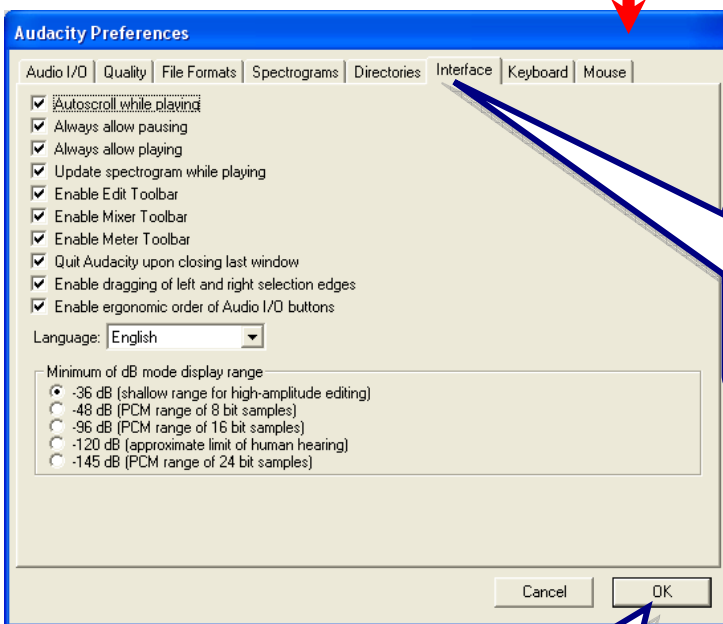
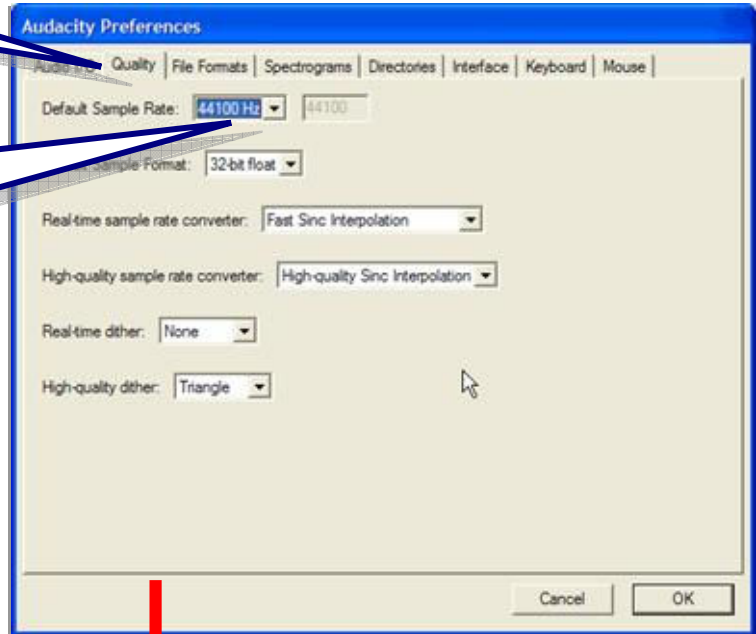
Select mono wherever possible as stereo doubles the file size. For most voice recordings mono is adequate. Only use stereo if you must feature quality music in your lesson or program, and only if the double file size is acceptable.

Click on Quality tab.

13

Choose between 22,000 and 44,000 Hz for podcasts with mainly voice.

14



On the Interface tab, make sure all the check boxes are ticked.

15

Click OK. (Leave other settings alone).

16

## 2. Preparing the computer to record sound

- **Turn off unnecessary programs** - Turn off all unnecessary programs to free up memory and to ensure smooth running of the recording software.
  - Recording sound, as well as processing and editing audio files requires a lot of computer power. The more available memory your computer has, the less likely the audio recording will be interrupted and the faster any processing of audio files will occur.
- **Turn off anything that could create a sound while you are recording**, especially programs that can give alerts such as email programs, instant messaging etc.
- **Plugging-in the microphone and headphones** - plug your microphone and headphones into the correct sockets on your soundcard.
  - Pink is for the microphone input. On your laptop it has a microphone icon
  - Green is for the speaker output connection. On your laptop it has a headphones icon.
  - Blue is used for high-level line in, like a tape recorder.
- **Setting Recording Levels** – You need to set the correct recording level of the microphone in the soundcard.

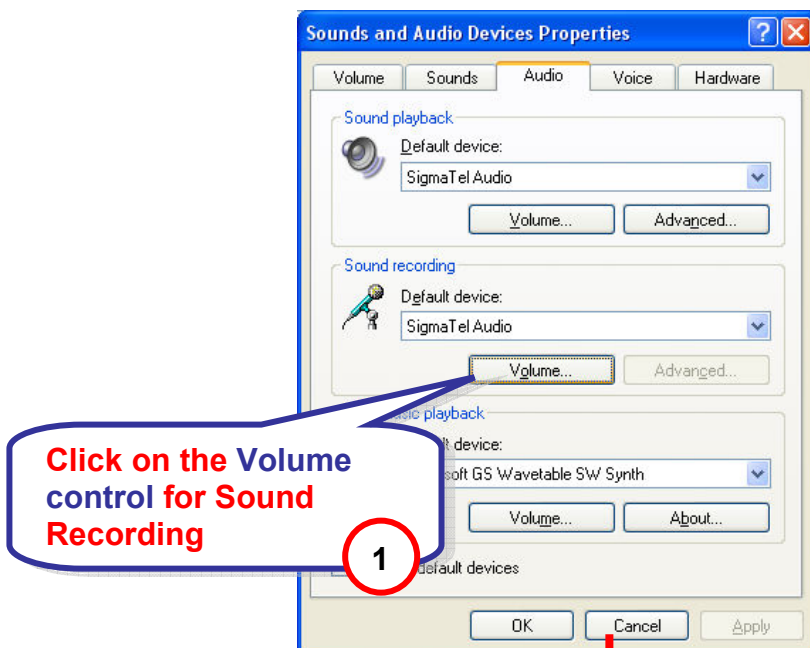
Every sound card has two mixing panels:

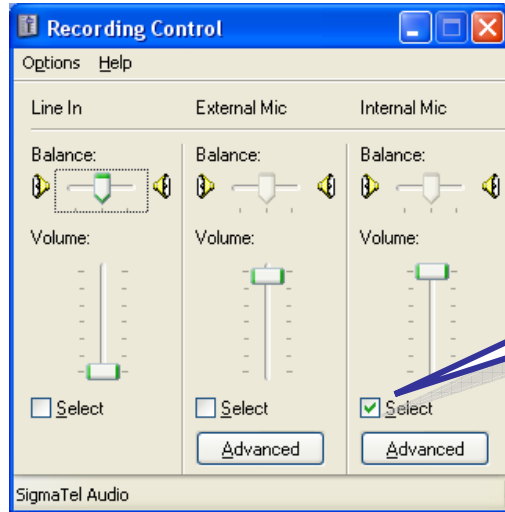
- one for adjusting audio playback levels
- one for adjusting audio recording levels

### **Access the Volume Control panel:**

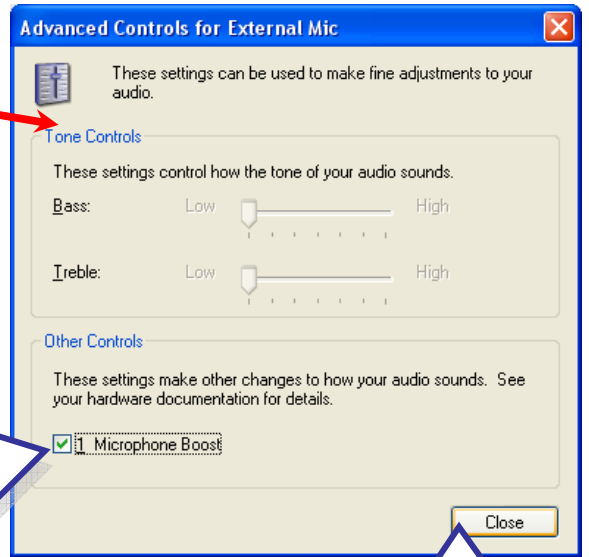
Select: [Start > Settings > Control panel > Sounds and audio devices](#)

This control panel will enable us to hear if the microphone is working correctly as we make our recording. It also mixes various other devices that we need to hear.





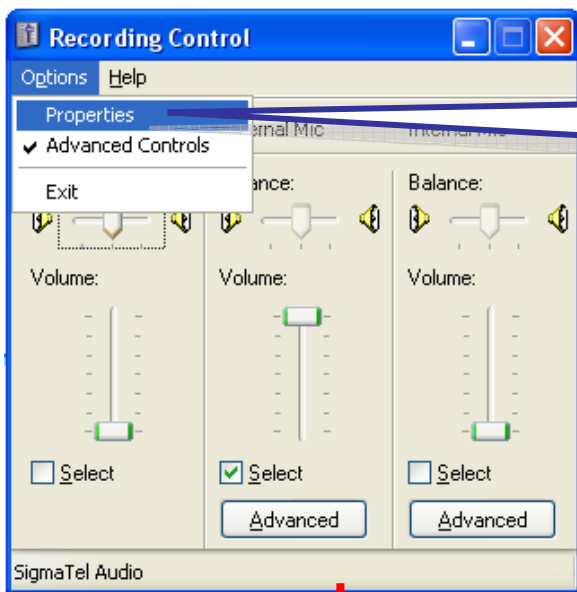
2 Tick to select the Internal microphone and push the slider to maximum.  
3 Click the Advanced button.



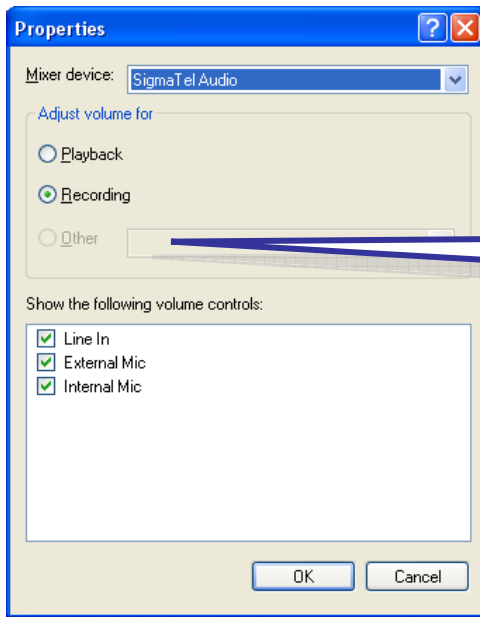
4 In the Other Controls section, select 1 Microphone Boost (bottom left) with a tick.

- Microphones have a very small output voltage and by amplifying the tiny signal we can record at the correct audio level.
- If the recording level is too high when you perform your test, untick this box.

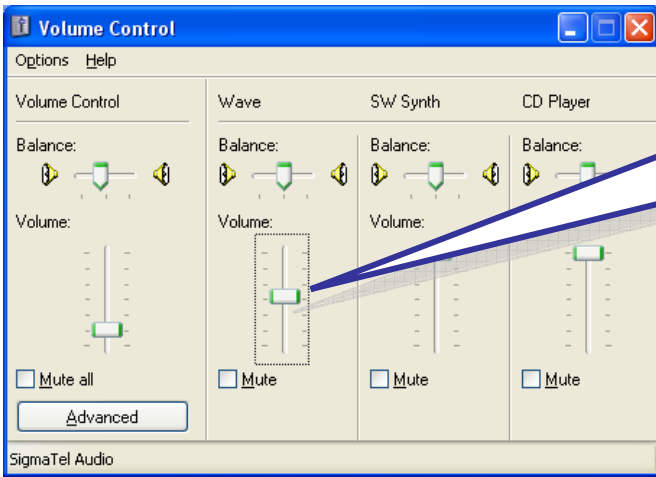
5 Close the panel and return to the main Volume Control panel.



6 Select: Options > Properties to adjust the volume for recording to the hard drive.

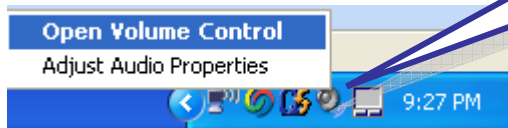


7  
Select Recording.



**NOTE**  
Sound Out - gets replayed off the hard drive via the **WAVE** sliding fader. Adjust this until there is no distortion on replay.

Access this control by right clicking on the **Speaker icon in the Task pane.**



- **Setting Audacity's recording level**

Ideally for podcasting you want your audio to fluctuate between +0.5 and -0.5. If it is a lot less than  $\pm 0.5$  you have to either:

- spoken too softly
- or your microphone volume needs to be increased

Most people when they first record with Audacity tend to talk too softly. Remember to talk reasonably loudly!

**Too soft**

**About right - Digital recording is a very unforgiving. Anything recorded over 100% will clip and sound distorted when played back. Aim for your maximum peaks to be around the  $-0.6\text{db}$  point, which is around 75% maximum allowable volume - well within the safety limits and no distortion.**

**Too loud**

**Select Internal Mic**

**Speak into the microphone and adjust the microphone level by dragging the Record Volume slider so that the Record Meter peaks at about  $\frac{3}{4}$ .**

You're now ready to start recording your audio.

### References:

- <http://www.guidesandtutorials.com/audacity-tutorial.html>
- <http://podcastingwa.wikispaces.com/audio+>
- [http://www.nswlearnscope.com/wiki/index.php?title=Audacity#Preparing\\_the\\_computer\\_to\\_record\\_sound](http://www.nswlearnscope.com/wiki/index.php?title=Audacity#Preparing_the_computer_to_record_sound)

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