



How to modify Audio-Recordings

Armin Busse
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Overview

- Equipment
- Questions to be asked
- Preparation
- The Wave
- Verify your Result
- Make the Audio-CD
- Summary

Equipment

- Audio-CDs or similar media files
- Computer
 - CD player
 - CD burner
 - Software
 - for ripping audio CDs
 - for burning audio CDs
 - audio software for manipulating the music
 - audio file format converter (helpful, not required)
- Blank CD-Rs

Questions to be asked

- What do you want the end result to be?
- Which music piece(s) do you want to use and modify?
- Do you just want to shorten one piece?
- Do you want to combine multiple pieces?
- Other
 - Change pitch / tempo
 - Change amplitude
 - Noise removal

Preparations

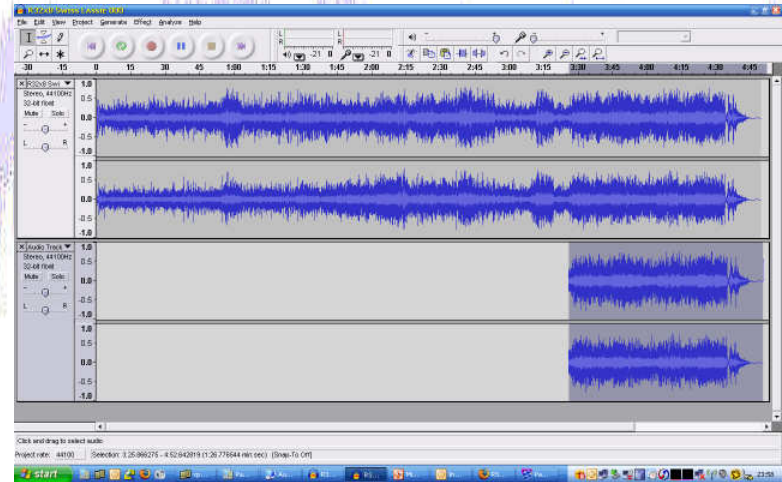
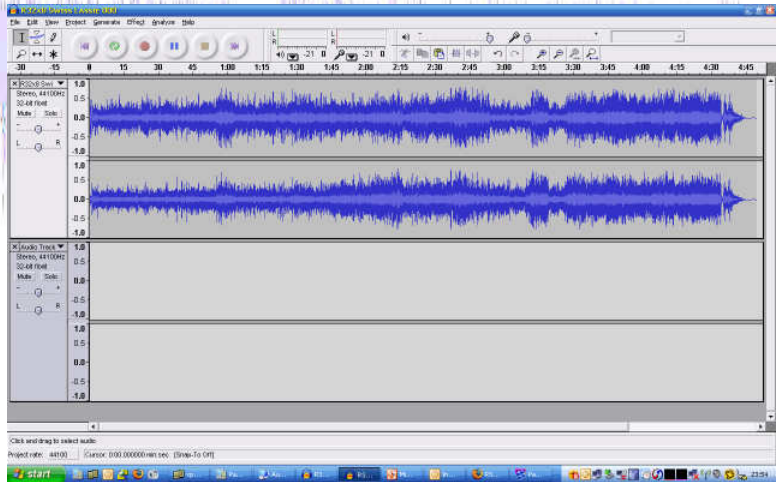
- Select the music pieces
- Created a designated file folder
- Convert tune to a suitable audio format
 - Use build-in “rippers”, e.g. Media Player
 - Check your export format and quality settings, e.g. wav, best quality
- Make a backup copy of the file
- Install suitable audio software
 - e.g. Audacity

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The Wave

- Import audio file into computer
- Listen to transitions and make a selection
- Create a second audio track (or more)
 - Zoom in and select your waves
 - Copy into second audio track and verify

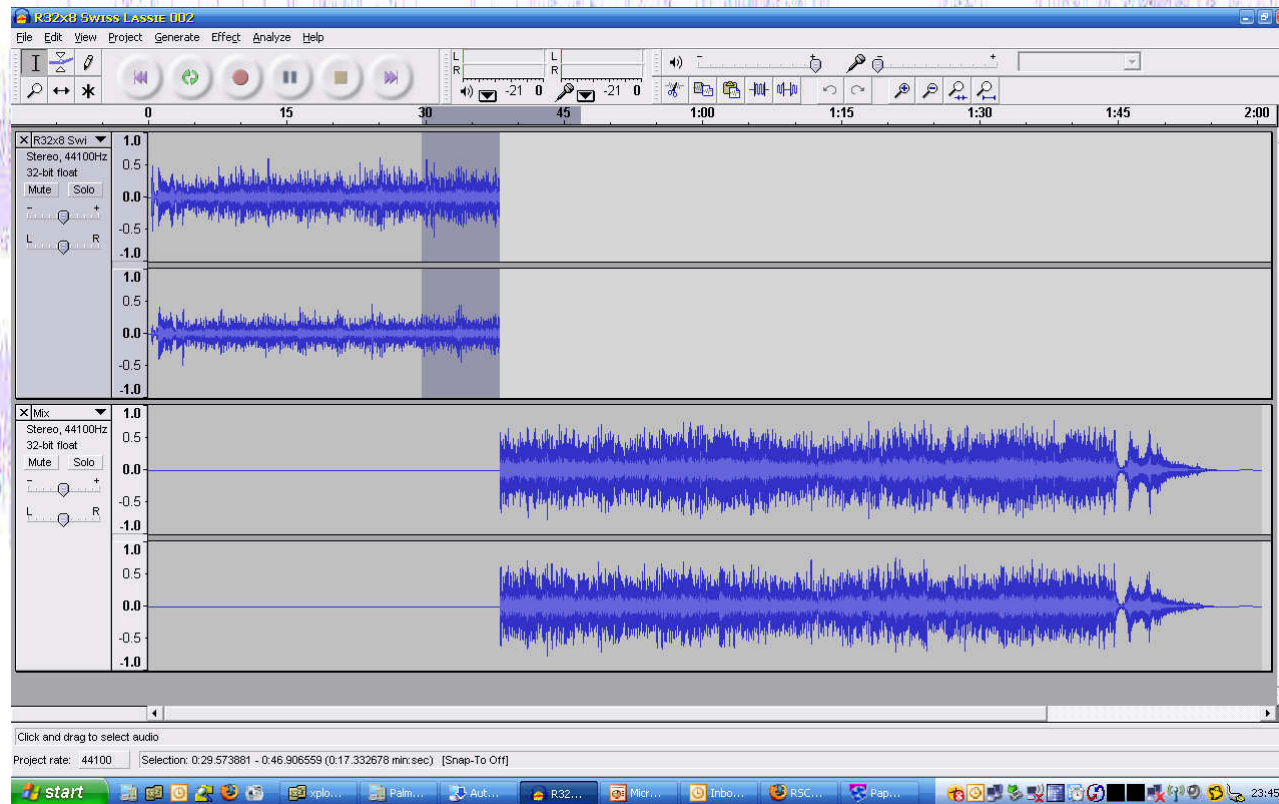


The Wave

- Import audio file into computer
- Listen to transitions and make a selection
- Create a second audio track (or more)
 - Zoom in and select your waves
 - Copy into second audio track and verify
- Save often
 - ...and also under a different name if you make non-reversible changes

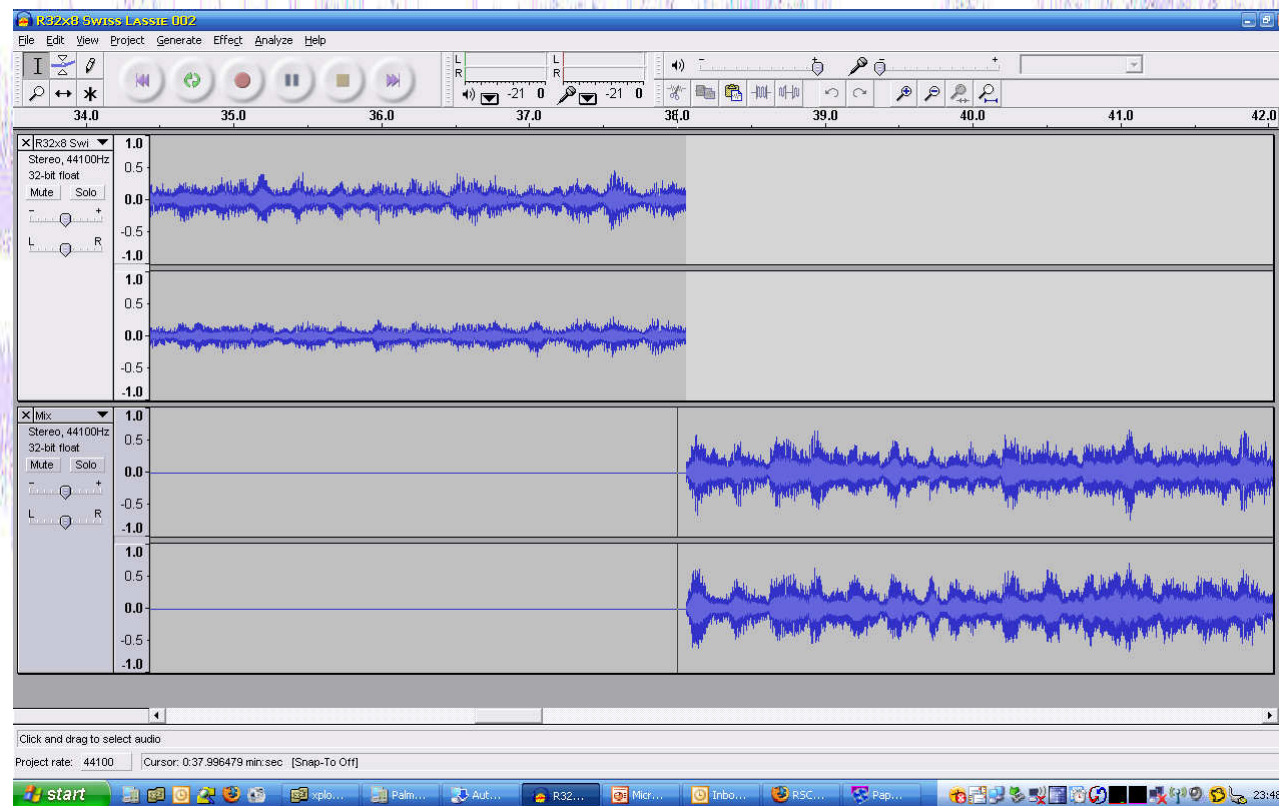
The Wave (2)

- Shift audio tracks relative to each other
 - Zoom in to get the details correctly



The Wave (2)

- Shift audio tracks relative to each other
 - Zoom in to get the details correctly



The Wave (3)

- Listen at result and start to silence unwanted sections
 - Empty spaces should be avoided
 - Fill with previous waveform (check original)
- Undo or shift again as needed
- Save final versions and name accordingly if the results are satisfactory

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Verify your Result

- Listen to it
 - Does it **sound** right?
- Dance to it
 - Does it **feel** right?
- If critical for success
 - Have others dance to it
 - Have actual performers dance to it

You might actually have to burn a CD in some cases to test / chose your results (and variations).

Make the Audio-CD

- Export resulting audio file as .wav file
- Open your chosen CD-burning software
- Add audio files to list
- Burn CD
- Verify on different CD-player(s)
- Burn second CD if critical recording

Enjoy...

Summary

- Know your ideal outcome
- Select your music
- Try out the audio software features
- Verify your results

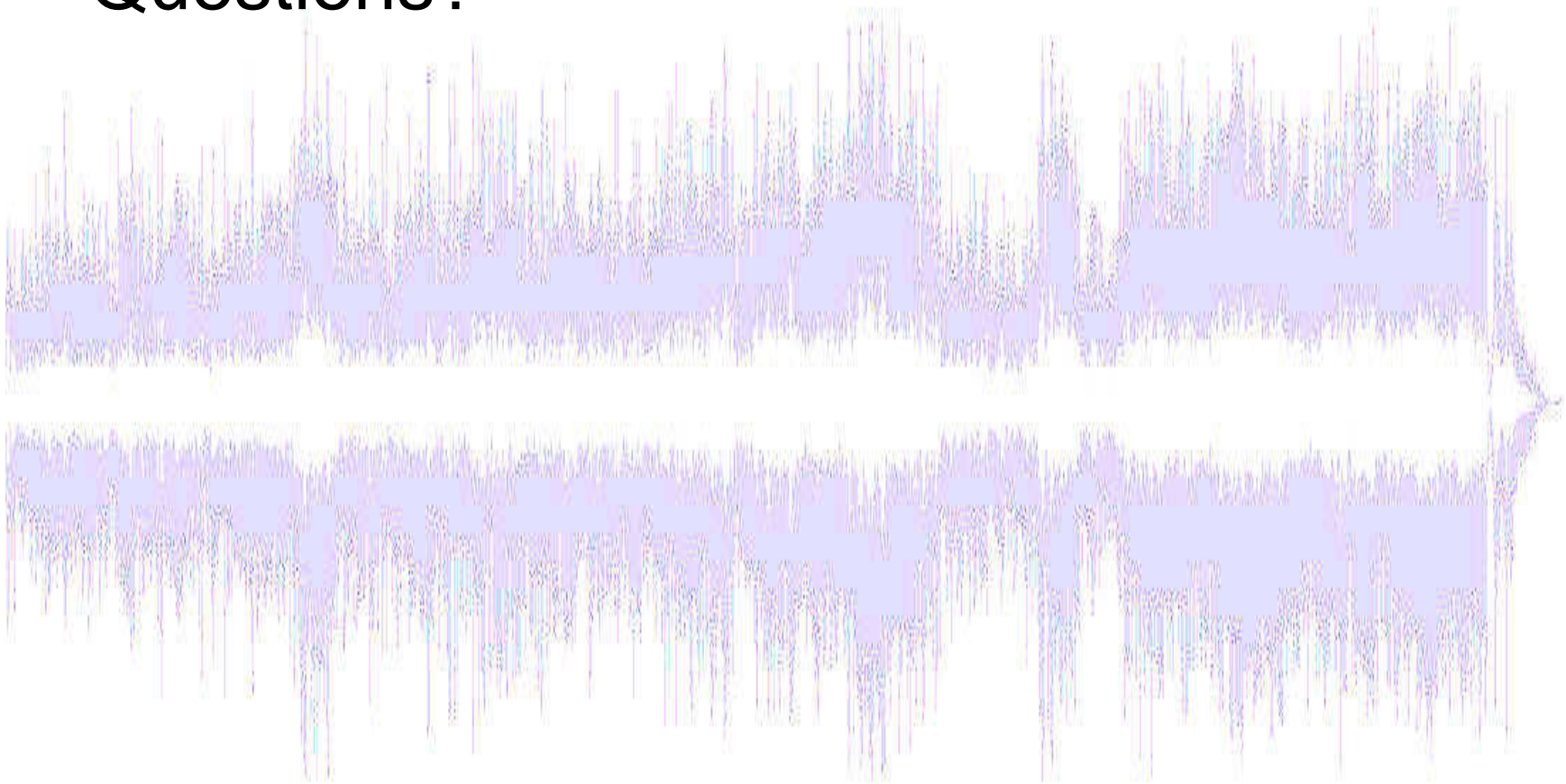
The cost to create the final file on the computer is your time. The risk is possible frustration with the software handling. The benefit is the ease to “splice” the tunes together or correct the results – if you saved your versions.

Recommendation:

Write down the procedure that works for you.

Questions

- Questions?





Thank you.