

Music Transcription

User Manual

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1. Installation

There is currently no easy way to install the application. It needs to be compiled from sources on Linux:

1. Clone the git repository from
2. Make sure you have the following libraries installed
 - openal
 - libogg, libvorbis
 - mpg123
 - qt5
 - rubberband
3. Run `qmake` to build the application

In the future I hope to package the application into an AppImage, which would contain all the libraries needed and be a standalone executable.

2. User Guide

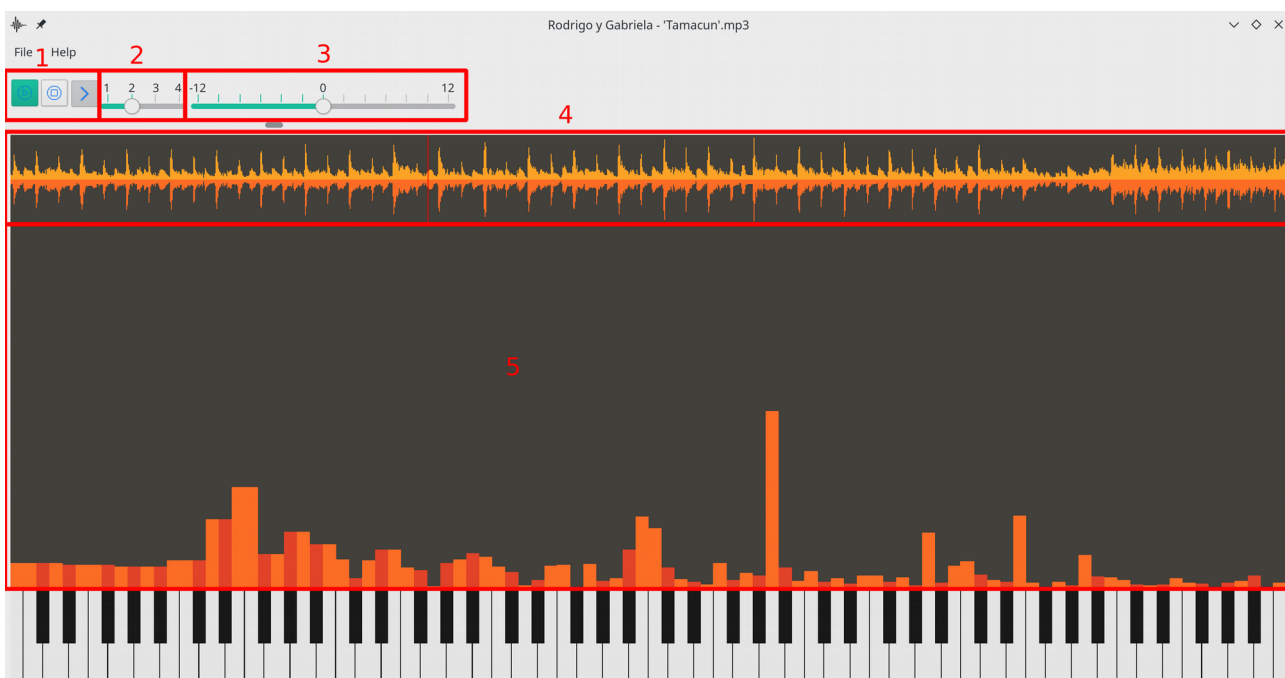


Illustration 1: A full screen capture of the application, showing the whole user interface

1. Song controls. From left to right:
 1. Play/Pause,
 2. Stop,
 3. Auto-scroll – follow the marker on the waveform and try to keep it in the middle of the screen.
2. Stretch controls. The numbers mean how stretched should the song be.
 1. Original speed,
 2. Twice as long, ie: 50% speed,
 3. Trice as long,
 4. Four times longer than the original, ie: 25% speed
3. Tone control. This slider controls how many tones should the song be transposed in. The default is 0 which is the song's original pitch. Each tick resembles two tones, but the user is able to move the slider by 1 tone as well. -12 means an octave lower, 12 means an octave higher (an octave consists of 12 tones).
4. The waveform. It shows the progress of the song and which part is currently being played and displayed on the spectrogram(5). It also acts as a seek bar where the user can click on any part of it to move the audio player to that position. Light orange resembles the left channel output, while the dark orange resembles the right channel output.
5. The spectrogram. It shows the frequencies being played at the marker's position on the waveform, mapped to individual piano keys below. Here the light and dark orange colours are related to the piano key below them being white or black respectively. This is to make it easier to quickly see the general position of the bars on the piano keyboard.

3. Screenshots

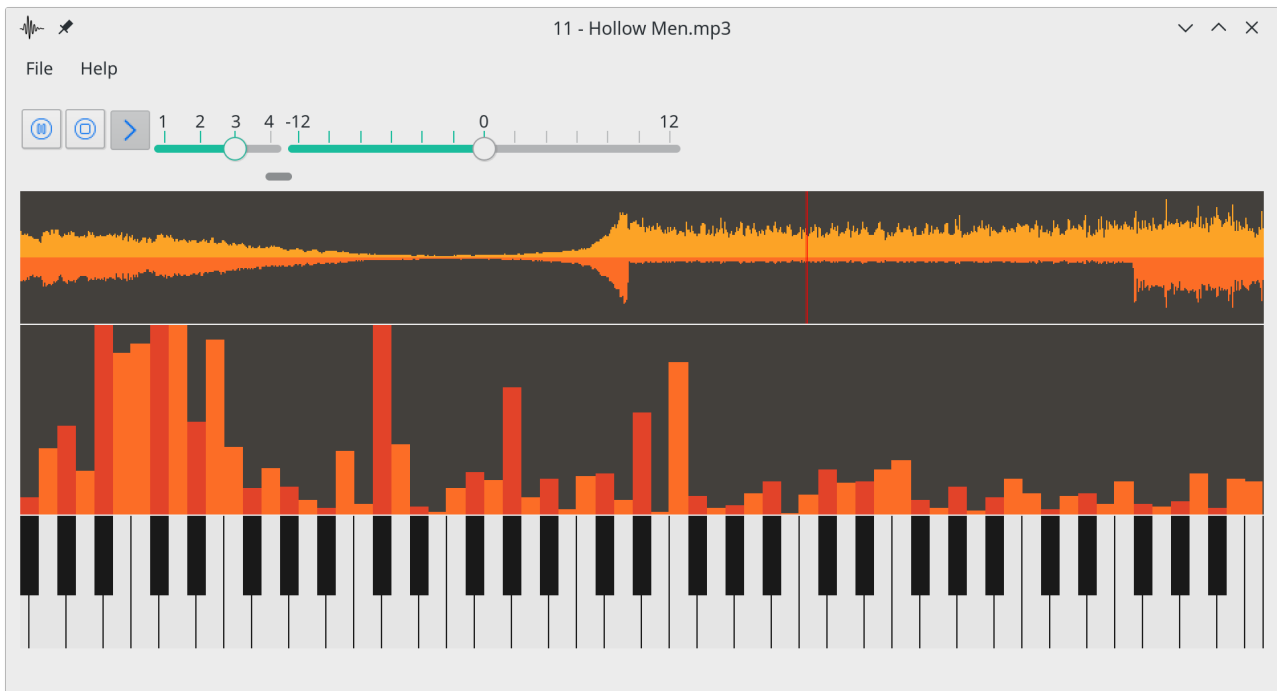


Illustration 2: A screenshot illustrating a part of the song only being played through the left channel.

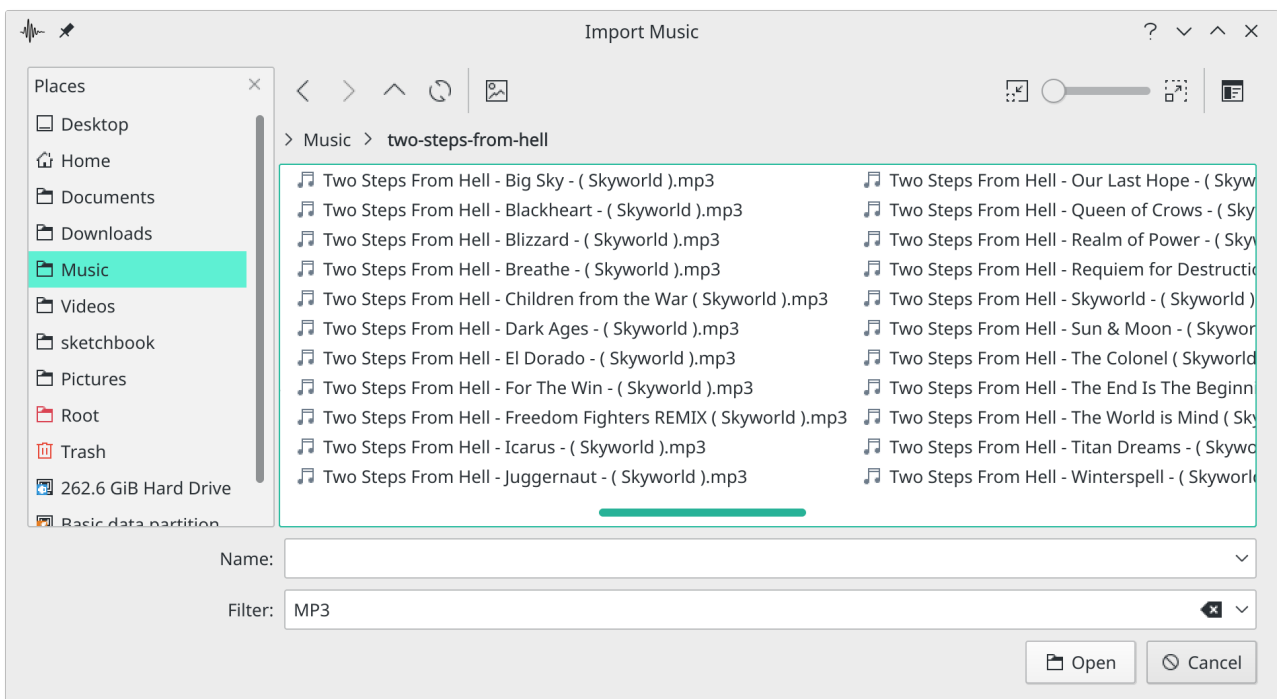


Illustration 3: A screenshot illustrating the music import file browser