

Disc-JoQey: A Semi-Automatic Application to Segment and Tag Recordings from Vinyls

Christian Junker and Peter Knees

Department of Computational Perception
Johannes Kepler University Linz, Austria

<http://www.cp.jku.at/projects/Disc-JoQey/>

ABSTRACT

Digitisation of analogue audio storage media, such as vinyls, can be tedious work. Transferring the contained music to, e.g., an mp3 file that can be put on portable music devices usually requires several steps that exceed the (already not trivial) process of recording the pure audio signal. As opposed to ripping a CD, where audio extraction and labelling with meta-data can be performed fully automatic, for vinyls, the user has to take care of flipping the disc to record both sides, finding start and end of every track, extracting individual tracks, and finally manually annotating each track with meta-data.

Disc-JoQey is an open-source software (published under BSD license) that aims at supporting the user in the process of segmenting, extracting, and tagging tracks from vinyl recordings. After typing in album artist and album title, *Disc-JoQey* retrieves album-specific meta-data (track titles, lengths, and offsets) via a music meta-data search engine (currently *MusicBrainz*). Since the retrieved data refers to the CD version of the album, timing data has to be adapted (i.e., mapped to the two sides of the recording). A waveform representation of the recorded signals can be used to check the correctness of start and end point for each track and, if necessary, to correct them. All annotated tracks can then be automatically exported into id3-tagged mp3 files.

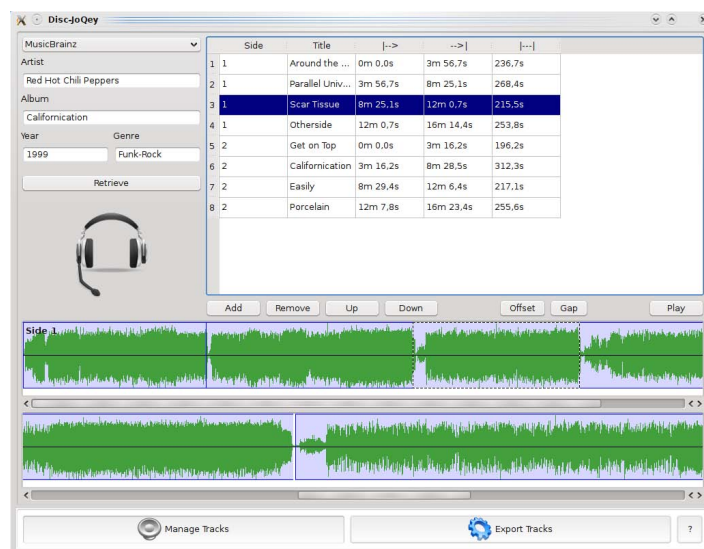


Figure 1. Screenshot of the *Disc-JoQey* main window.