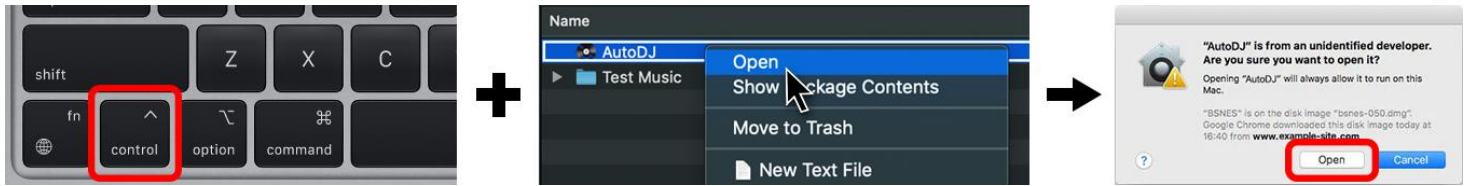


# AutoDJ User Guide

AutoDJ is a fully-automatic DJ system that uses audio analysis to construct a digital understanding of your music library. The software was designed by Alexei Smith as part of a study into *'Music Information Retrieval and AI: Automating Music Performance.'* This is an open-source project, so the code can be [viewed on GitHub](#).



**The first time you launch AutoDJ, dismiss the warning message. Then you need to hold *control* and click on the file, then select *Open* in the same message window.**

Select a folder with at least 6 tracks in .mp3 or .wav format. The provided Test Music folder contains 50 clips you can use. You can import any kind of dance music, but keep in mind that AutoDJ is optimised for house.

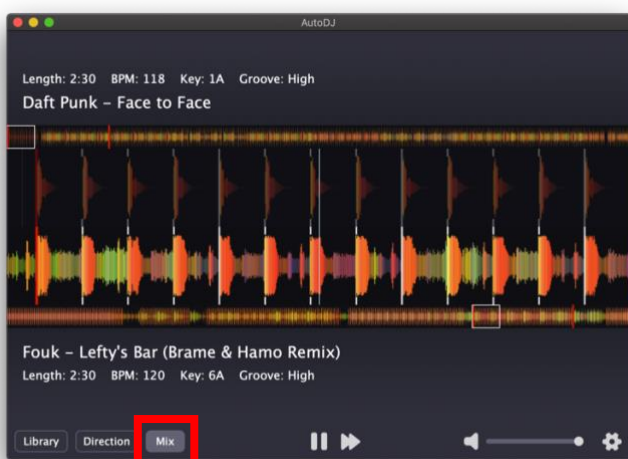
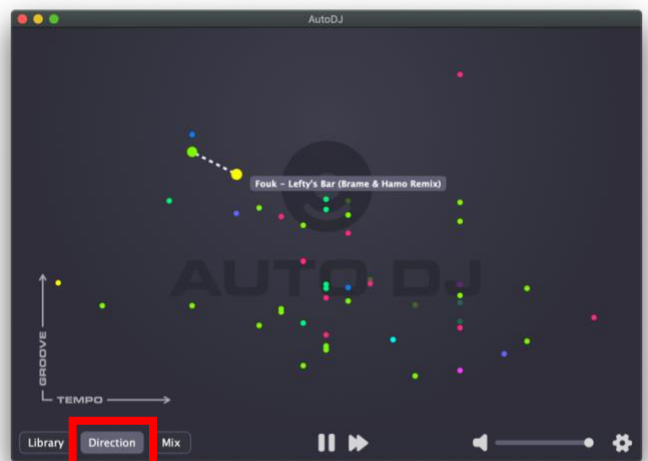


The **Library** view shows a table of all valid tracks in the selected folder. As they are analysed, more information will appear, including the tempo (BPM), key and groove. Groove is an experimental parameter related to the 'danceability' of the music.

To start the automatic DJ mix, simply press play.

The **Direction** view distributes music based on its tempo and groove. Here, you can watch the path that AutoDJ takes through your library. It tries to create pleasing mixes by combining tracks that are similar in tempo, groove and key.

Hover over a point to see the track title.



The **Mix** view shows the tracks currently being mixed, where brightness corresponds to volume.

The red markers show the start and end points for each mix. AutoDJ tries to find sensible mixing points based on musical sections.