



# iKlax : creativity unleashed

To hear all versions ever created in one file of the Hey Joe track (120), to listen to a jazz track containing four different saxophone solos, to separate a track to listen only to the voice, the piano or the guitar? This is all possible with the interactive iKlax audio digital format.

The iKlax format is a multi-track digital audio format allowing various actions on musical data, for instance on mixing and volumes arrangements.

This original idea has been created by Owen LAGADEC and Ivan DUCHEMIN. The digital technology has been developed in collaboration with the audio-video department of LaBRI<sup>1</sup>, Bordeaux, France, and researchers Myriam DESAINTE-CATHERINE and Sylvain MARCHAND.

In an ever changing music market, fuelled by constant technical evolutions, artists and music majors alike pay special attention to new solutions that can accentuate their work by developing new ways to add value to every music track.

The iKlax format offers a technological solution to the current problematic and has the potential to be used for digital applications and also for multiple services like hi-fi, mobile phones and portable media devices.

Beyond its multi-track structure, the iKlax format allows many versions of a single instrument to be part of the same track.

An iKlax file can for example contain 4 guitar versions and/or 3 piano versions.

## Creation respect

Within this new interactive system for listeners, it is fundamental to note that the iKlax technology allows artists to set constraints limiting the artistic changes to their work, by the listener.

**The iKlax interactive audio technology allows users to act directly upon music creations within the limits set by its authors.**

**Hum, would you have an example instead?**

Well, imagine a guitar player, a piano player and a drummer in a recording studio. Each one of them records 3 versions of his instrument. They take it all and load it up into iKlax Creator and organise the tune into an iKlax file. Now, you can listen to all the versions they've produced! Amazing hey!



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