

The .mds data format

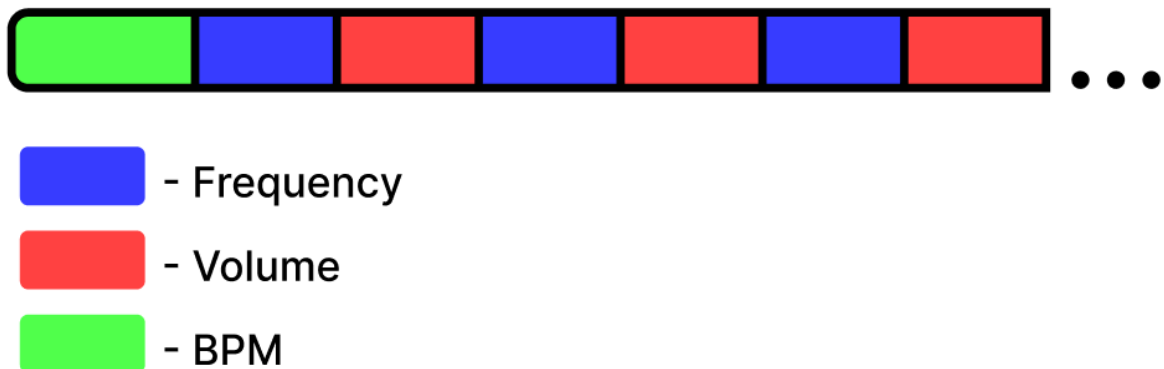
Format architecture

The .mds file is written byte by byte and contains the next parameters:

- BPM - beats per minute (2 bytes)
- frame frequency (2 bytes)
- frame volume (1 bytes)

In Figure 1.1, you can see how the format is written. The first byte contains the BPM and the rest of the file consists of data pairs containing information about one frame of the audio file. A pair consists of frequency and volume values.

This format can play audio files in 1-bit quality.



1.1 Architecture diagram in .mds format

Convert audio files to .mds format

At the moment, our project only converts from .wav to .mds format.