

# Bookedit user manual

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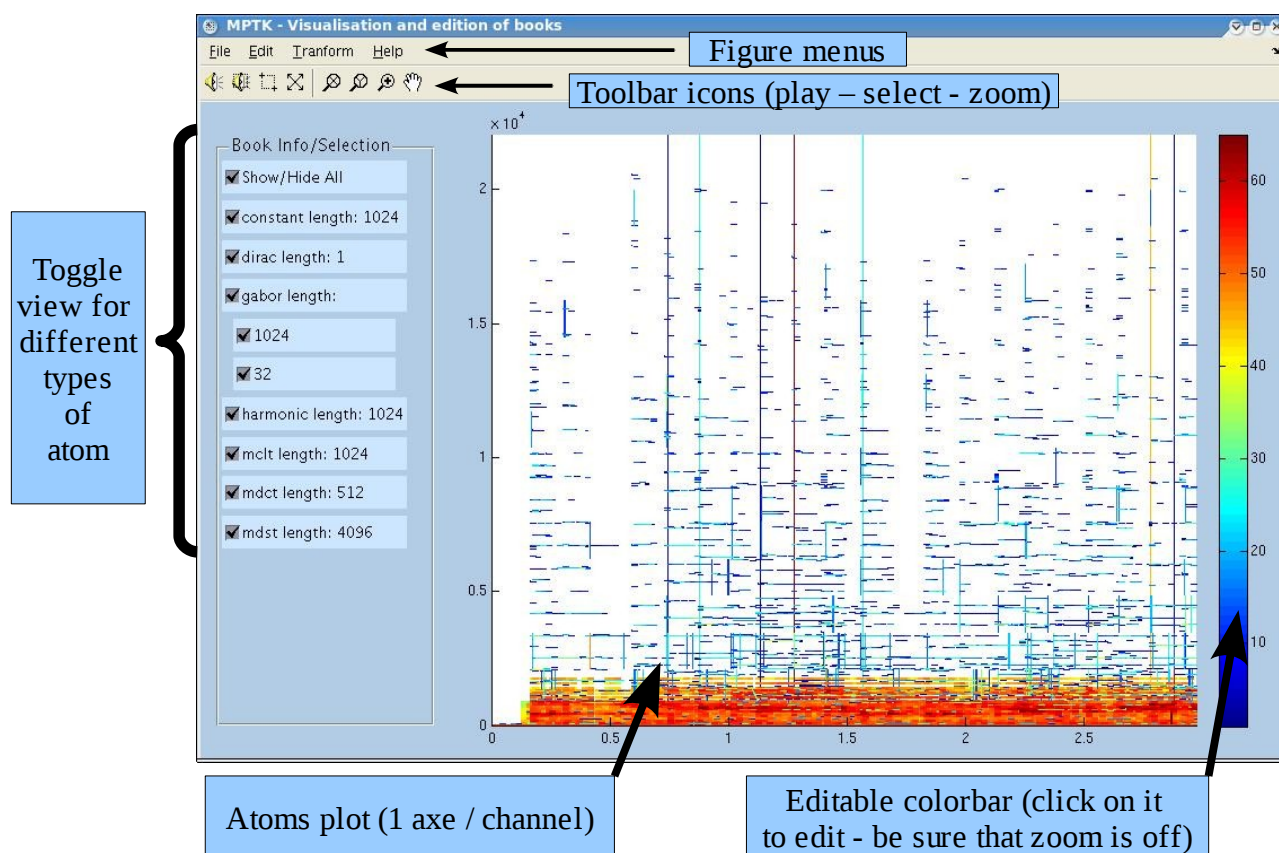
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## Overview and main functionalities

Bookedit is a matlab tool to edit MTPK books issued from decomposition. It implements plotting tools, basic editing functions and audio transformations:

- Plot atoms, toggle view per type and length
- Select atoms, Move, Cut or apply a gain on selected atoms
- Pitch Shifting and Time stretching of atoms
- Load / Save the modified MTPK book in native MPTK format
- Reconstruct and play the transformed/selected book

The following figure shows a snapshot of the interface

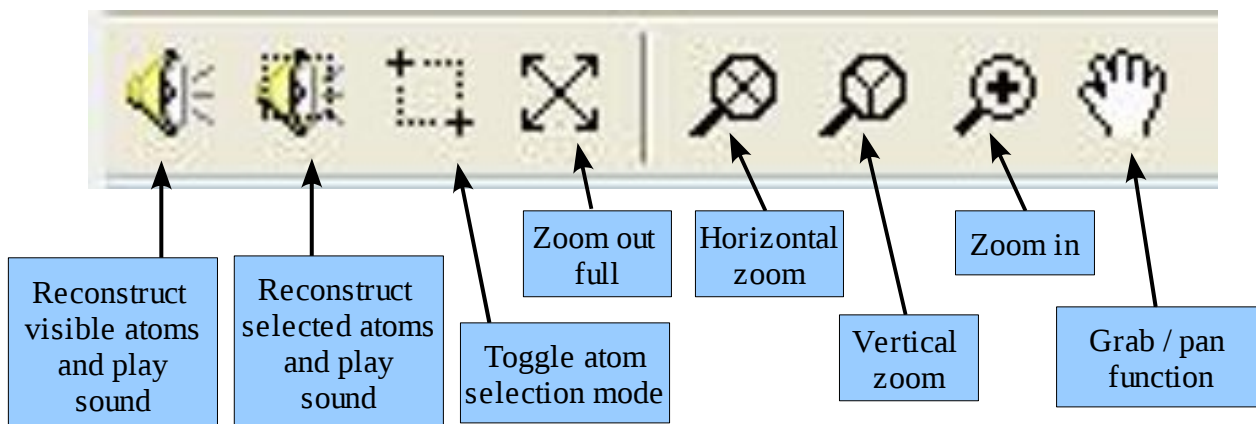


## Interface startup

The interface can be started with different arguments:

- **No argument** : At startup, a find file window asks the user for a valid MPTK book.
- **bookname**: a string with a valid MPTK book. In this case the book is loaded at startup

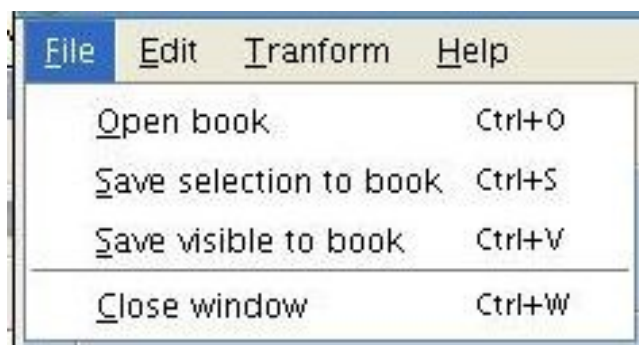
## Toolbar functions



**Atom selection** : When the atom selection is toggled on, you can directly drag a rectangle in the plot to select an area.

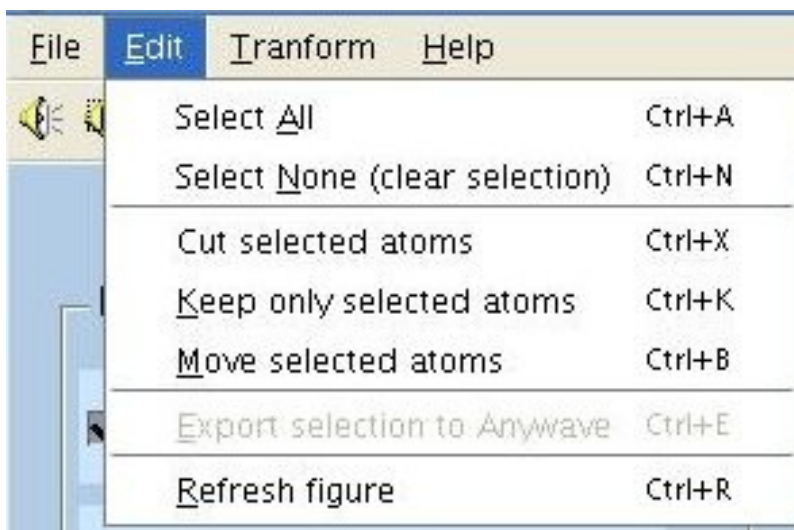
**Important note**: when a zoom function is active (icon grey) the colormap cannot be edited.

## File Menu functions



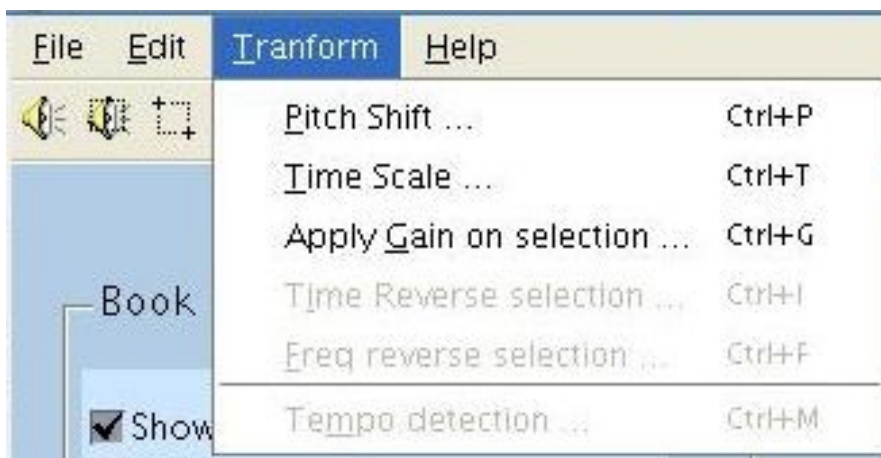
The 'File' menu contains functions for loading and saving a book. It is possible to either save only the selected atoms or the visible part of the book.

## ***Edit Menu functions***



The 'Edit' menu contains functions for editing the selected atoms. It also has a '**Refresh figure**' usefull in case the GUI gets lost.

## ***Transform menu functions***



The 'Transform' menu contains functions for typical processing of audio signals. Some functions are not implemented and thus not accessible.