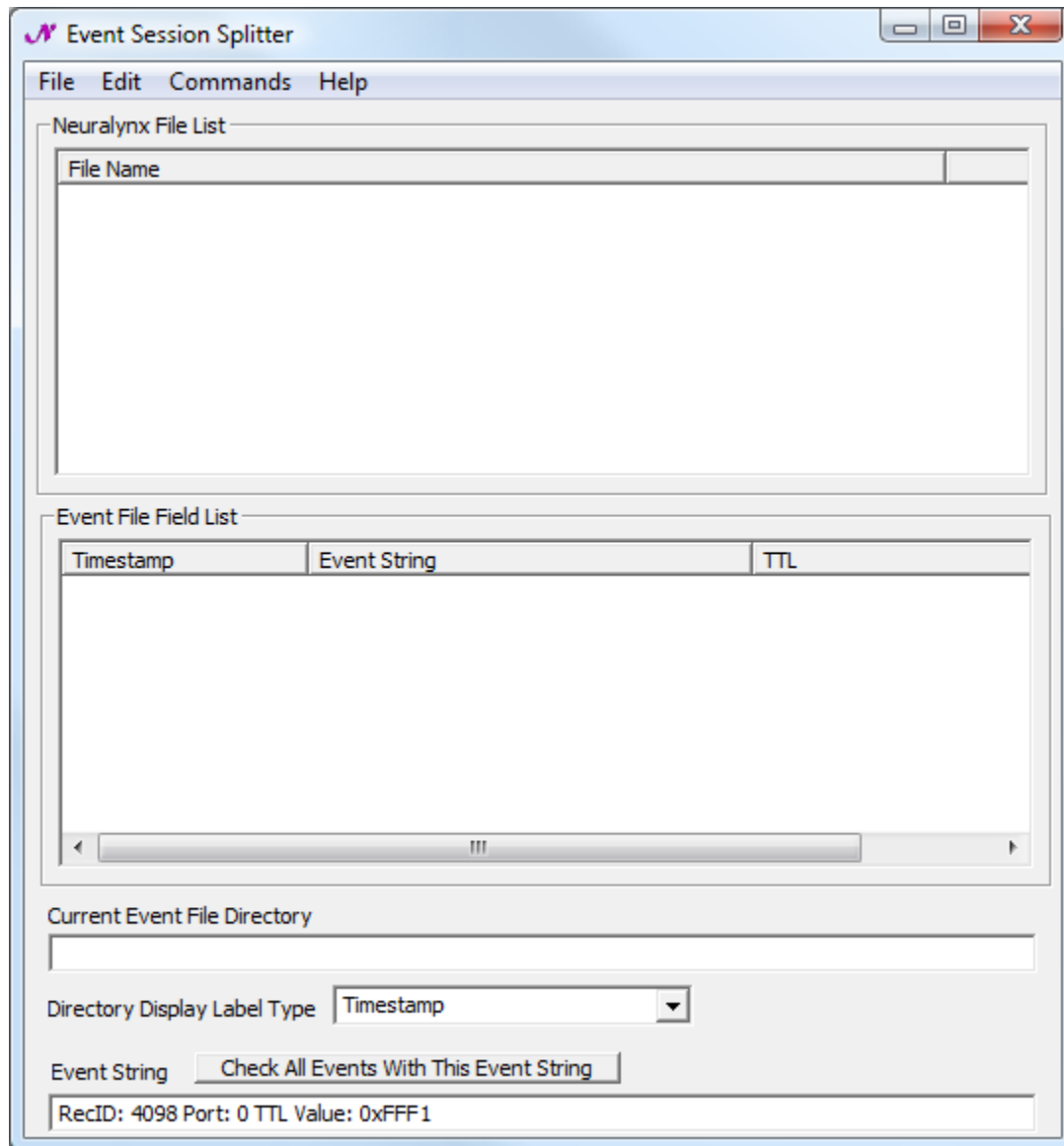


# Event Session Splitter User Documentation



This utility is designed to open and manipulate Neuralynx Event Files.

You can do all of the following with this program:

1. View all the events in a file.
2. Add, remove, and modify events in the file.
3. Create your own event file.
4. Process your other datafiles (spikes, eeg, video tracker) to split them in pieces according to your event timestamps.

## Getting Started:

You can open an event file in any one of four ways (all are equivalent):

1. Start the program, then choose the 'Open' command on the file menu, and specify the location of your Eventfile in the file box that appears.

## Viewing Events:

Once you have opened an Eventfile using the program, you will notice that the white 'Events' box on the right of the window now contains a list of all the events that are located in the Eventfile. (If you have selected a file that does not actually contain event data, you may see unintelligible information in the 'Events' box; if this occurs, simply locate a file that contains event data and open it instead).

Once a Neuralynx Event File has been opened, the two list boxes in the program window will become populated. The top list box titled "Neuralynx File List" will contain all Neuralynx files that are in the same directory as the Event File that was opened. The list box below it titled "Event File Field List" contains a listing of all the events in the Event File selected.

## Adding, removing, and modifying events:

The first step is to locate a specific event from your Eventfile. This is done by locating the event you wish to work with (in the list box titled "Neuralynx File List"), and clicking on the box to the left of it with your mouse. The box will then have a check mark in it. Now you are ready to work with this event.

- To add a new event, select the 'Insert Event' command from the 'Edit' menu at the top of the program. When the 'Event Properties' box appears, fill in the new information and press the 'OK' button. If you did not wish to insert an event at this point in the file, simply press the 'Cancel' button. The new event will be inserted between the two timestamps that it falls between numerically (if two or more timestamps are identical, the new event will come after the first).

- To remove events from your file, check all boxes corresponding to the events that you wish to be deleted. Then select the 'Delete Event' command from the 'Edit'. These deletions will not change the contents of the file opened unless you choose to save your changes and overwrite the current file you are working with. You can use the 'Save As' command to save both the new and original data to different files.
- To modify this event, select the 'Modify Event' command from the 'Edit'. Once the 'Event Properties' box appears, change the fields from the event which you would like to change, and edit them appropriately. To make the modifications that you have entered, click the 'OK' button. To abort the modification, press the 'Cancel' button. These modifications will not change the contents of the file opened unless you choose to save your changes and overwrite the current file you are working with

This compact utility does not have undo capability and therefore all delete operations are final within each list box. However, the original filename unless overwritten will contain all original data. The original file may then be re-opened. You will lose all changes that you have made since last opening a file. If you wish to instead save the current list of events as a new file without overwriting your old one, choose the 'Save As' command from the 'File' menu, and save your Eventfile to a new file with a new name (and choosing a new location for the file if you wish).

### Processing Data Files:

Perhaps the most important feature of this program is the ability to separate your datafiles into separate pieces, according to the timestamps defined by the events for your experiment, allowing your data analysis to be organized into manageable and logical pieces. The first step in processing datafiles is to choose the events that you would like to use for separating the different parts of your datafiles. You can do this by clicking inside the check-boxes (squares), which are located to the left of each event in the white 'Events' box. When you click in each box, a check mark will appear inside it (or disappear if one is already present). The number of pieces into which your datafiles will be separated is equal to one more than the number of events which have check marks at the time which you choose the 'Process Selected Files' command from the 'File' menu. When the 'Process Selected Files' command is selected, only files with check marks present to their left will be separated into pieces. This allows you to skip some files if

you have files in the "Neuralynx File List" box that do not contain Neuralynx data, or if you wish to separate some files differently from others. Upon the 'Process Selected Files' command, the program will make subfolders in the folder (location) from which you opened the Eventfile, and place the corresponding pieces of each selected datafile into each subfolder. The names of the subfolders are either the same as the timestamps of the selected events (from the Event File Field List box), or the same as the name string of each selected event. You can choose from these two functionalities using the drop down list box labeled "Directory Display Label Type".

### Saving Event Files

There is the option to save event data that has been modified, created or deleted. The "Save As" option under the file menu will open up a standard "Save As" dialog box, in which one can select a file or create a new filename to save event data.

Note: It is advised that one should always save to a new file, reducing the chances of overwriting data.