

## Multi Channel Suite

New software for data acquisition,  
analysis, and export

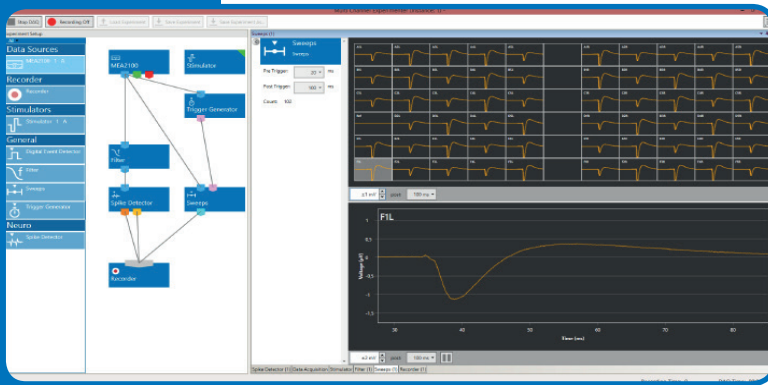
- See data in real-time
- Analyze online or offline
- Export to Matlab, Neuroexplorer and others
- 24bit A/D resolution
- Custom apps possible

## Easy-to-use, yet powerful software package

The Multi Channel Suite software package is flexible and intuitive to use and supports all MEA2100-Systems, the USB-ME data acquisitions, and Wireless-Systems. The software comes with all suitable MCS hardware and updates are downloadable for free from the MCS website.

It consists of 3 tools:

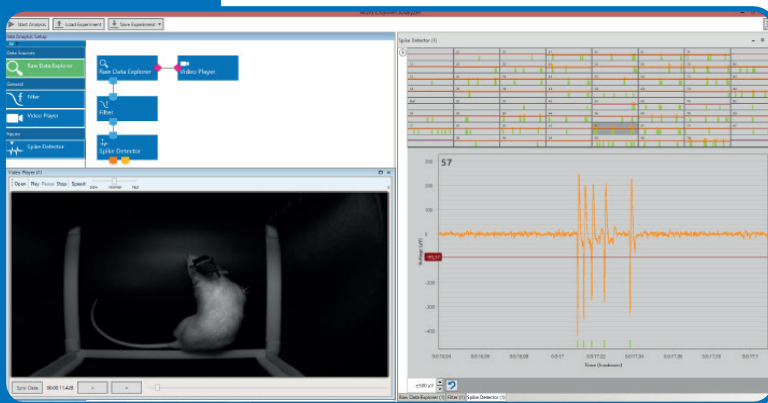
- Multi Channel Experimenter for data acquisition and online analysis
- Multi Channel Analyzer for offline analysis
- Multi Channel DataManager for data export to third party programs



### Multi Channel Experimenter

For routine lab work, the online tool of the Multi Channel Suite is set up like an instrument rack on a workbench:

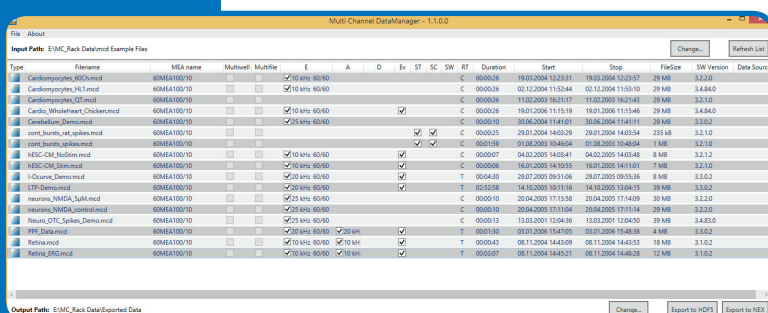
- Combine virtual instruments (e.g. recorder, filter, spike detector, and much more) by drag and drop.
- Design the stimulation patterns for all system-integrated stimulus generators.
- Decide which data streams you want to record in a clearly arranged instrument tree.
- Open the software multiple times for each individual data source in your set-up.



### Multi Channel Analyzer

The intuitive interface of the Multi Channel Analyzer facilitates the thorough analysis of data previously recorded with the Multi Channel Experimenter.

- Provides the same easy-to-use drag and drop interface like the Multi Channel Experimenter.
- Supports synchronized video input.
- Offers event based navigation.



### Multi Channel DataManager

While the Multi Channel Analyzer provides some offline analysis tools, you might want to analyze your data in a third party program. The Multi Channel DataManager exports the recorded data very quickly in:

- HDF5 format for analysis in Matlab, Python, and other applications
- .nex format for analysis in Neuroexplorer
- .ced Spike2 format

Check out the video tutorial on the Multi Channel Suite



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