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