BRAINX

Increase the productivity and quality of your research.

BrainX is one of the most powerful, precise and comprehensive software available for stimulus delivery and experimental controls (e.g. Brain/behavioral/neuroscience research). It includes the presentation function and many utilities for the study of the brain (e.g. Visual angle calculation). It is the software package to fulfill all of your computerized experiment needs (from somatosensory, motor, visual, auditory stimulation to cognitive tasks). Used by many professionals in the research community, BrainX provides a truly easy-to-use environment for computerized experiment design, data collection, and analysis. BrainX provides millisecond precision timing to ensure the accuracy of research data. BrainX's flexibility to create simple to complex experiments is ideal for both novice and advanced users. BrainX adds the necessary tools to take your experiment to the next level. Advantages in choosing BrainX include the ability to play multiple stimuli (pattern parallel) at once.

The BrainX suite of applications includes:

- **Precision timing:** millisecond precision of stimulus presentation, and data collection.
- **High synchronization:** direct control the video/audio cards and triggering ports to highly synchronize presentation and data collection.
- **Unique modules:** well-designed module for advanced task (subject-feedback based responses)
- **Quality Controls:** create sophisticated stimuli with optimized parallel and links patterns
- **High-Quality Display:** Increased display speed for bitmap transfers
- **Intuitive GUI:** Drag and drop graphical interface for experiment design.
- **Click-run:** a single mouse click will run the entire paradigm.
- **Paradigm Merge:** Quickly and easily combines your single session data files for group analysis.
- **Accurate Event Logging**: recording the presentation timing, triggering and responses.
- **Video:** play movies/video with precise time and frame control
- **Picture:** capture screen image and show image in many formats
- **Sound:** record sound (subject's vocalizations) and play sound in many formats.
- **Multiple-Monitor and Video cards:** Support for presentation on multiple video displays
- **Monitor:** Monitor responses and display stimuli on attached monitors/projectors
- **Multi-Languages:** Support for UNICODE and international fonts
- **Editor:** Copy & paste stimuli between experiments
- **Multiple-Ports:** Support for Serial port device, Parallel Port Device, USB port Device
- **Unique Test Module:** Easier interfacing with external devices
- **Auto-Parameter Checking:** no debugging is necessary
- **Professional design:** enormous options for presentation modalities
- **Extensive tests:** fMRI, EEG (ERP), MEG (ERF), single neuron recording, reaction time.
- **Widely used:** behavioral, psychological, physiological experiments and performance measures.
- **Power Utilities:** experiment and subject control (see Feature list for details)