Digital Lynx ✚

Neuralynx's Next Generation Neural Recording Data Acquisition System

High Performance, Multichannel, Low Noise

The Digital Lynx+ is Neuralynx's next-generation multichannel data acquisition system, tailored for animal neurophysiology experiments. This premium system is highly configurable to suit your specific research needs, offering up to 1024 channels, digital headstages, and an integrated software interface for stimulation and recording with extensive support for closed-loop applications.

Designed with an innovative, swappable interface, the Digital Lynx+ ensures your hardware remains future-proof, supporting both current and upcoming interfaces from Neuralynx.

Caution - Device for investigational use in laboratory animals or other tests that do not involve human subjects.
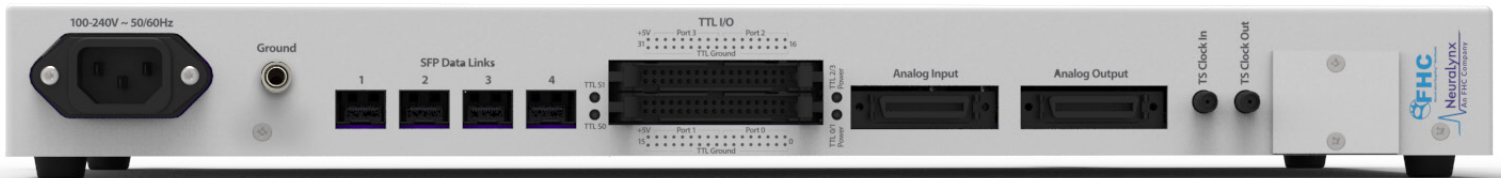
More Channels, Enhanced Features
Take your research to the next level

DL+ Base 31-0605-0165:

- Supports high-quality recording

- Full experimental control

- Digital and Analog Interface Board (DIB/AIB) allow for switching between existing and upcoming front-end hardware.

- DIB supports acquisition of up to 1024 channels

- AIB supports acquisition of up to 256 channels

- Available in 16 to 1024 channel configurations

- HDMI headstage inputs on the Digital Interface Board

- 16, 32, 64 headstage configurations

- Recording and stimulation compatible headstages

- Support for Closed-Loop applications

- Utilizes Cheetah performance recording & experiment control software with real-time distributed data analysis

- Signal processing: LFP, EMG, & spikes, with filtering & noise reduction

- Fully configurable and flexible referencing for all electrodes, including silicon probe implants

- Real-time processing

- Flat frequency response ensures accurate recording of both low-frequency Alpha / Theta oscillations and high-frequency Single Unit Action Potentials

- TTL input/output for external equipment control

- External Analog inputs/output for non-neural signals

- Bench-top or rack-mountable case

- 3.5mm Audio monitoring of input signals

- User-friendly interface design

- Free access to extensive library of software utilities & development packages, including NetCom & MATLAB® Functions


Cheetah

High Performance Electrophysiology Recording & Experiment Control

Cheetah Software provides the ultimate, high performance electrophysiology recording and experiment control software available for neural signal processing, display, recording and network data distribution for customized, online experiment analysis and control. Through excellent software design and efficient CPU usage, Cheetah is able to process 1024 input electrode channels.

Over the past 30 years, Neuralynx has been continually developing and enhancing Cheetah Software for Single Unit Action Potential and LFP research experiments, providing the signal and data processing features and performance required for this highly demanding aspect of neuroscience research. Cheetah enhancements support the flexibility to easily configure electrode input channel assignments and signal processing options needed for the user's specific experiments.
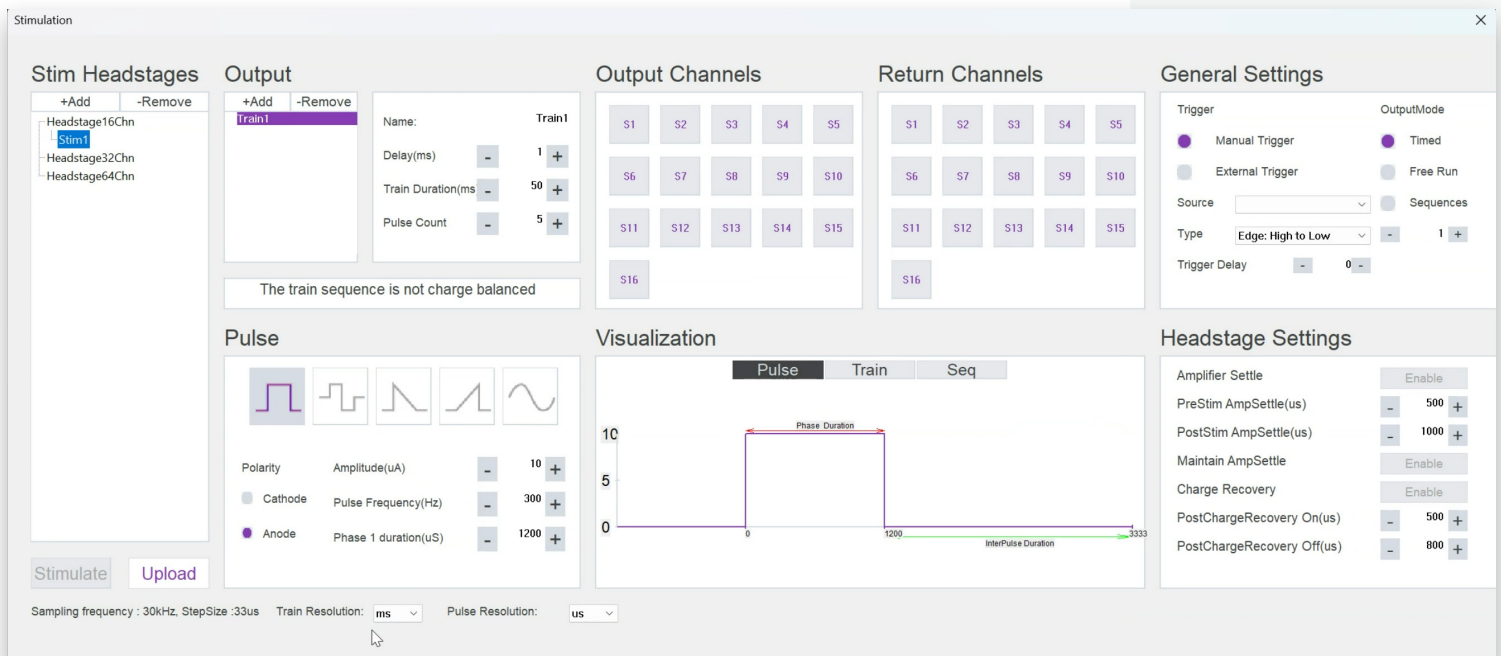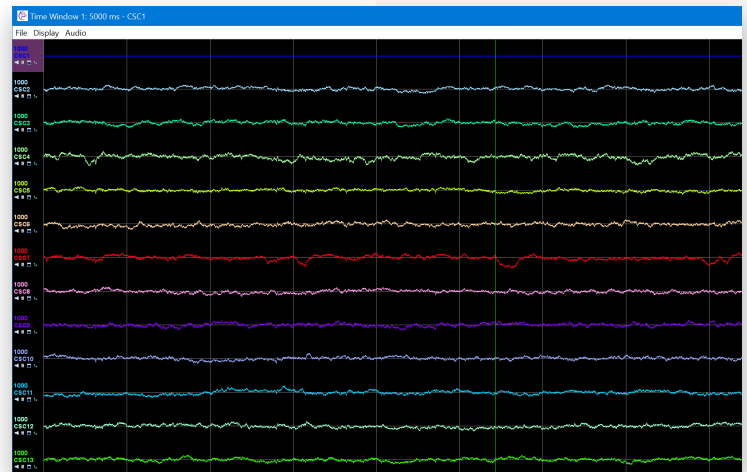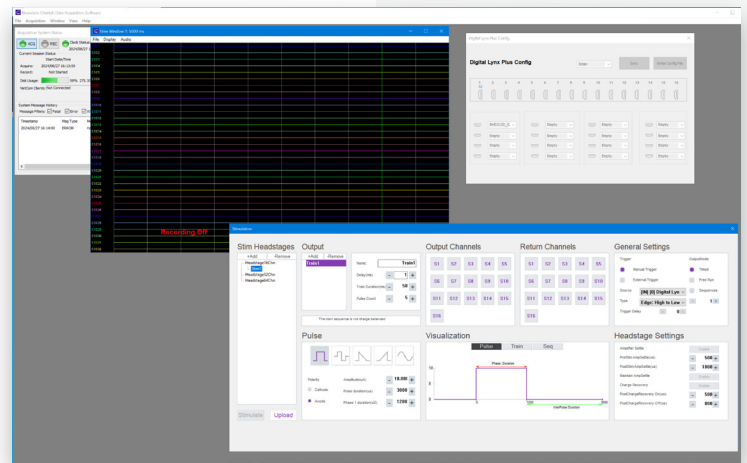
Unmatched Service and Support:

From system set-up to custom device integration, our knowledgeable Technical Support team provides unlimited support to quickly answer system and/or software questions - ensuring that you meet your research goals.

- ✔ Dedicated remote technical support
- ✔ Lifetime software upgrades
- ✔ Access to web-based file converters and utilities

- ✔ On-site service and training available
- ✔ Service agreements available
- ✔ Knowledge base with ever-expanding collection of support articles
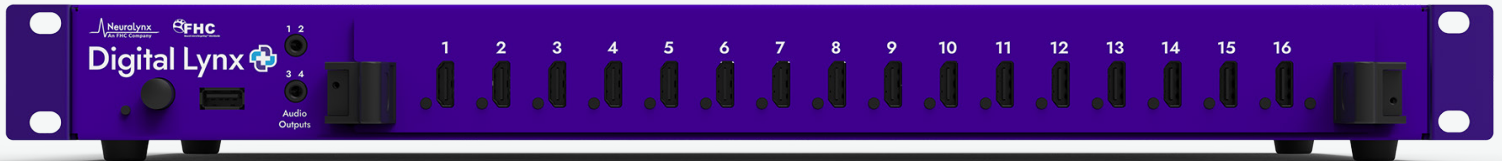
Headstages & Tethers

Digitize analog neural signals on the headstage. Reduces tether cable wire count, weight, size & system cost. Record from HS-16-mux, HS-32-mux, HS-64-mux. LED tracking versions available.

Saturn Commutators

Even the smallest rodents exhibit more natural behavior and unencumbered movement as a result of Saturn's micro-torque tether rotation sensor and smooth motor drive.

Video Tracking

Video tracking data is synchronized with neural signals to precisely synchronize video with neural and other recorded data. Cameras available with 4mm lenses.

From Neuralynx — Data Acquisition you can trust:

30 years of innovations and experience. Neuralynx, Inc. (Neuralynx) is an internationally recognized provider of electrophysiology data recording systems and solutions for neuroscience research, as well as for practical human medical data recording. Neuralynx specializes in the development of cutting-edge electrophysiology data recording systems and experiment accessories while providing quality, long term customer guidance and support.

NeuraLynx
105 Commercial Drive
Bozeman, MT 59715 USA
406-585-4542

FHC, Inc.
1201 Main Street
Bowdoin, ME 04287 USA
www.fh-co.com

24 Hour Technical Support
(US & Can) +1-207-666-8190
1-800-326-2905

neuralynx.fh-co.com
quotes-research@neuralynx.com
orders-research@neuralynx.com