Radiens Release Notes

Updated May 23, 2025

Radiens Update

New versions of Allego, Videre, and Curate have been released.

https://www.neuronexus.com/radiens-allego-download-page/

Allego 3.10.12:

Features:

- Support for XDAQ Gen2 Core, One+ and AIO systems on PC, Mac and Linux
- Add support for XDAQ GPIO Port Expander and additional digital channels as "BNC Breakout Board" toggle
- Add ability to manually set cable delays for each connected headstage

- Monitor:
  - X-axis tick labels are now shown below the plot display for easier timeline navigation
  - Improved layout consistency for plot displays and bottom bar positioning
  - Resolved cursor flickering/disappearing

- Save / Restore Workspace Improvements
  - Load saved Digital In trigger settings in UI
  - Load saved Digital Out manual mode settings
  - Selected probe models are now correctly saved and restored
  - BNC Breakout Board toggle is now retained
  - 3D-Model species selection is now retained
  - Probe site positions in tissue coordinate system in 3D-Model tab are saved
  - Show reloaded probe model in UI after loading workspace in any non-simulation mode

- Linux support updates
  - Requires Ubuntu 22.04.5 LTS (Jammy Jellyfish) or newer
  - Depends on g++-13 runtime library

Fixes:

- Update bitstream for XSeries xR mode to improve noise on DDR channels for 128ch headstages
- Tune recorder for performance at high loads

- Improved metadata synchronization during recording, especially for split-port recordings.
- Fix timestamps recorded in split ports mode for the second port triggered
- Enable mapping two 8ch probes on port with 16 channels detected. Choose the same 16ch headstage to describe the channels for both probes
- Improved the stability and responsiveness of streaming updates.
- Fixed channel coloring inconsistencies in the HDSnapshot tab
- Improved error handling when spikes metadata updates are made during long recordings.
- Trigger recording UI doesn't show unavailable DIN channels

Changes:

- Digital Out gated polarity is positive by default
- Improve formatting of Stim Control section of System tab
- Improve hover text for unit activity panel

Videre 1.9.0:

Features:

- Enabled modification of headstage and probe configuration within the Electrodes tab
- Added support for custom sensor imports
- Introduced export functionality for spike sorting results via an "Export to Phy" button
- Added support for Open Ephys Binary file format playback

- Monitor:
  - Toggleable x-axis tick labels in the Monitor Tab for improved timeline navigation

- Save / Restore Workspace Improvements
  - Resolved issues related to saving and reloading workspaces

- Linux support updates
  - Requires Ubuntu 22.04.5 LTS (Jammy Jellyfish) or newer
  - Depends on g++-13 runtime library

Fixes:

- Fixed channel coloring inconsistencies in the HDSnapshot tab

Cuate 1.9.0:

Features:

- Added support for .spikes files
  - Source and sink support for .spikes files

- - Sink support for .npy, phy2, and .mat formats
  - Compatibility with Slice Time and Slice Channels nodes
- Integrated source support for the Open Ephys Bnary format

- Linux support updates
  - Requires Ubuntu 22.04.5 LTS (Jammy Jellyfish) or newer
  - Depends on g++-13 runtime library