

Make unique scientific discoveries with unlimited freedom and flexibility.



LabChart LIGHTNING

What is LabChart Lightning?

LabChart Lightning is the latest iteration of our 34 year history of creating easy to use data acquisition and analysis software. LabChart Lightning empowers innovative researchers to make unique scientific discoveries with unlimited freedom and flexibility.

How is LabChart Lightning different?

LabChart Lightning runs on Quark, the same reliable and robust engine that powers LabChart 8. The difference is that LabChart Lightning has been completely re-imagined to focus on combining power, ease of use, and data integrity.



Unlimited channels



Cross-recording analysis



Custom calculations



Cross platform

“The ability to overlay signals so you can see derived channels and keep an eye on critical signals is extremely valuable.”

Professor Jim Cotter
School of Physical Education,
Sport and Exercise Sciences, University of Otago

Applications include:

Human

- Autonomic
- Cardiovascular
- Exercise and Sport
- Neurophysiology
- Psychophysiology
- Respiratory
- Speech Pathology
- Tissue and Circulation

Animal

- Autonomic
- Cardiovascular
- Telemetry
- Tissue and Circulation

In Vitro

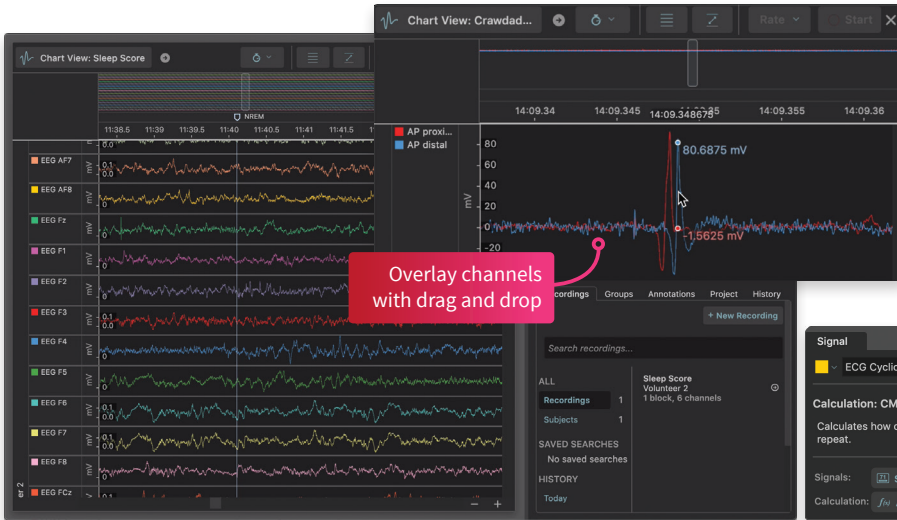
- Isolated Organ



Key Features of LabChart Lightning

PowerLab Integration.

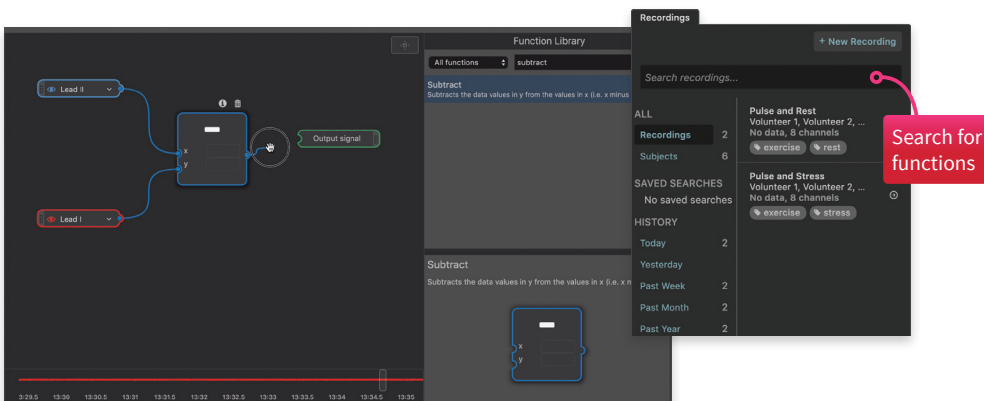
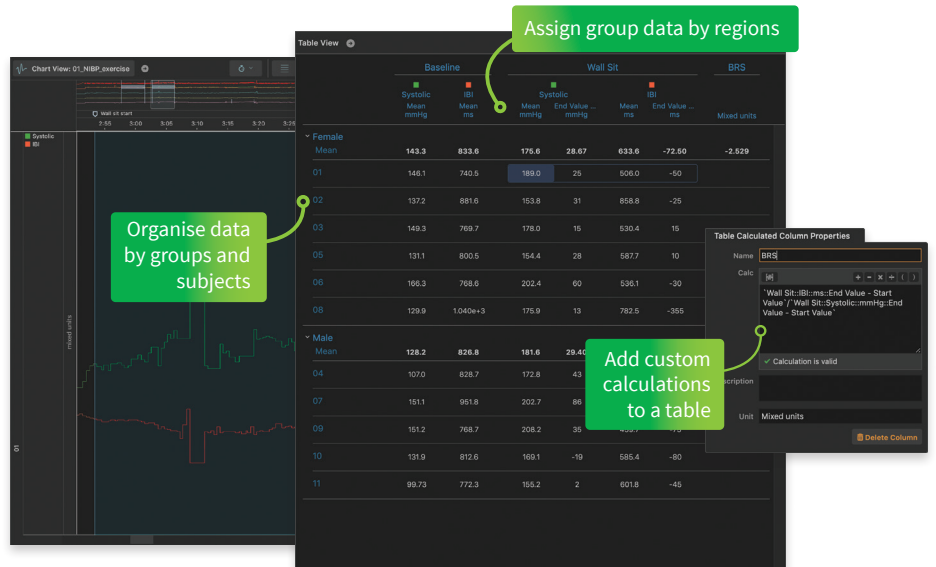
Start and stop recording data from a PowerLab and ADInstruments amplifiers. Control hardware settings and filters from within LabChart Lightning.



Unlimited Channels and Overlays. Record data into an unlimited number of channels. Create as many calculated signals as you like. Overlay signals by dragging and dropping them between channels.

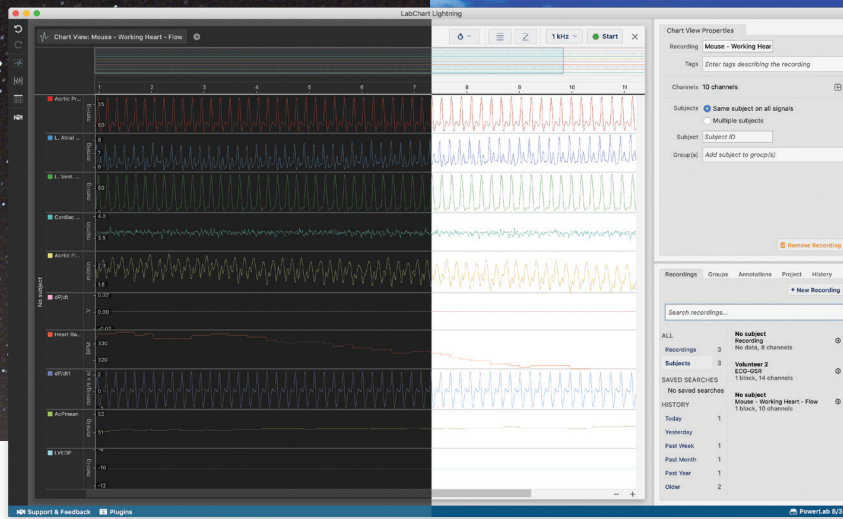
Cross-Recording Analysis and Table View.

Analyse data across multiple recordings within a project. Organise recordings and channels by subjects or groups. Convert time-based data from recordings to discrete values to use in statistical analysis.



Custom Calculations. Create custom calculations by dragging and dropping functions from our extensive function library. See the effect of custom calculations on your original data to optimise your calculations. Share your calculations with colleagues.

Dark View and Light View.



Switch between dark and light view. Dark view makes it easier to look at your screen for long periods of time in low light environments.

History and Autosave.

Every change to a project and its recordings is automatically saved and logged in the project history. Easily revert to previous versions of your project using the history feature.



Revert to any point in history



Detect peak using calculated signals

57

Heart Rate BPM

Display readouts in large format

Readouts.

Display your raw data or calculated signal as a large numerical display.

“The user interface is modern and easy to use. The custom calculation feature is great, it’s very intuitive, just copy, paste and drag.”

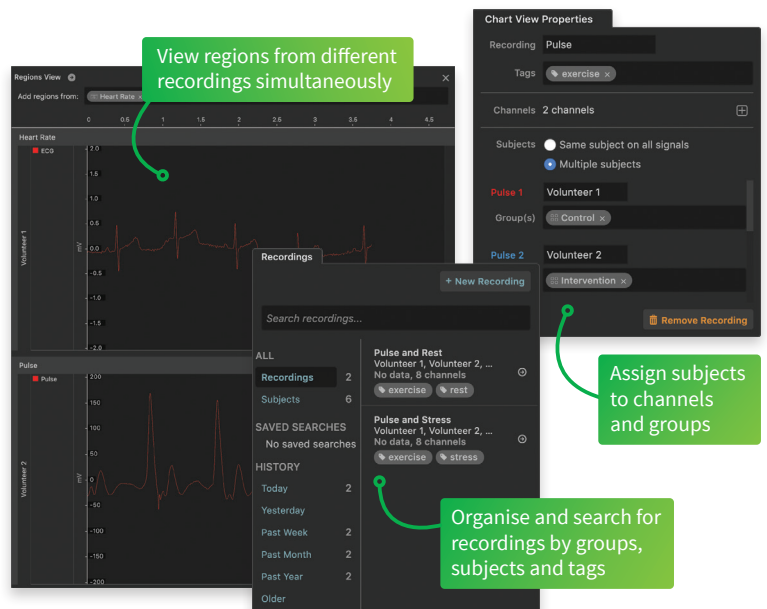
Travis Gibbons,
Ph.D student, Sports and Exercise Science, University of Otago.

Data Management.

Organise your recordings within projects. Assign signals to subjects and groups within a project. Select regions of data for cross recording analysis.

“If you enjoyed using LabChart 8, you’re going to love Lightning, as it offers even more flexibility and customisation.”

Brandon Bucher
Head of Research Business Unit, ADInstruments



View regions from different recordings simultaneously

Assign subjects to channels and groups

Organise and search for recordings by groups, subjects and tags



LabChart Lightning vs LabChart 8 Feature Comparison

	PowerLab Integration	Data Management	Cross-Recording Analysis	Unlimited Channels	Custom Calculations	Cross Platform	History and Autosave	Dark View and Light View	Import/Export	Table View	Annotations and Regions	Readouts	Spectrum and Scope	Macros	Stimulation	Data Plots	Extensions	Analysis Modules
LabChart Lightning	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗		Coming soon	Coming soon
LabChart 8	✓	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓		Audio Output, Cardiac Axis, Event Manager, Export QuickTime, Fast Response Output, Multipoint Calibration, Non Invasive Cardiac Output, Scheduler, Spirometry, Telegraph.	Blood Pressure, Cardiac Output, DMT Normalization, Dose Response, ECG Analysis, HRV, Metabolic, Peak Analysis, PV Loop, Spike Histogram, Video Capture.

Upcoming enhancements

Our developers are continuously working on improving LabChart Lightning and the following features are currently getting their full attention:

Third-Party Devices

Create your own JavaScript plugins or install our plugins to sample from non-ADInstruments devices.

Data Display

More flexibility in the way you visualize your data on multiple tables and charts simultaneously, and more portability in your recordings and projects.

Licences

LabChart Lightning's user-based online licencing allows you to log in and use Lightning wherever you are, while offline licencing allows you to assign a licence to a computer for longer-term or offline recording. The new licence group administration features put licencing into your own hands, allowing you to assign or revoke licences within your group and maintain control over licence usage.

Just the beginning



LabChart
LIGHTNING

Sign up for a 30-day free trial to experience LabChart Lightning now: adi.to/lightning

For more information contact your local representative at info@animalab.eu or visit www.animalab.eu