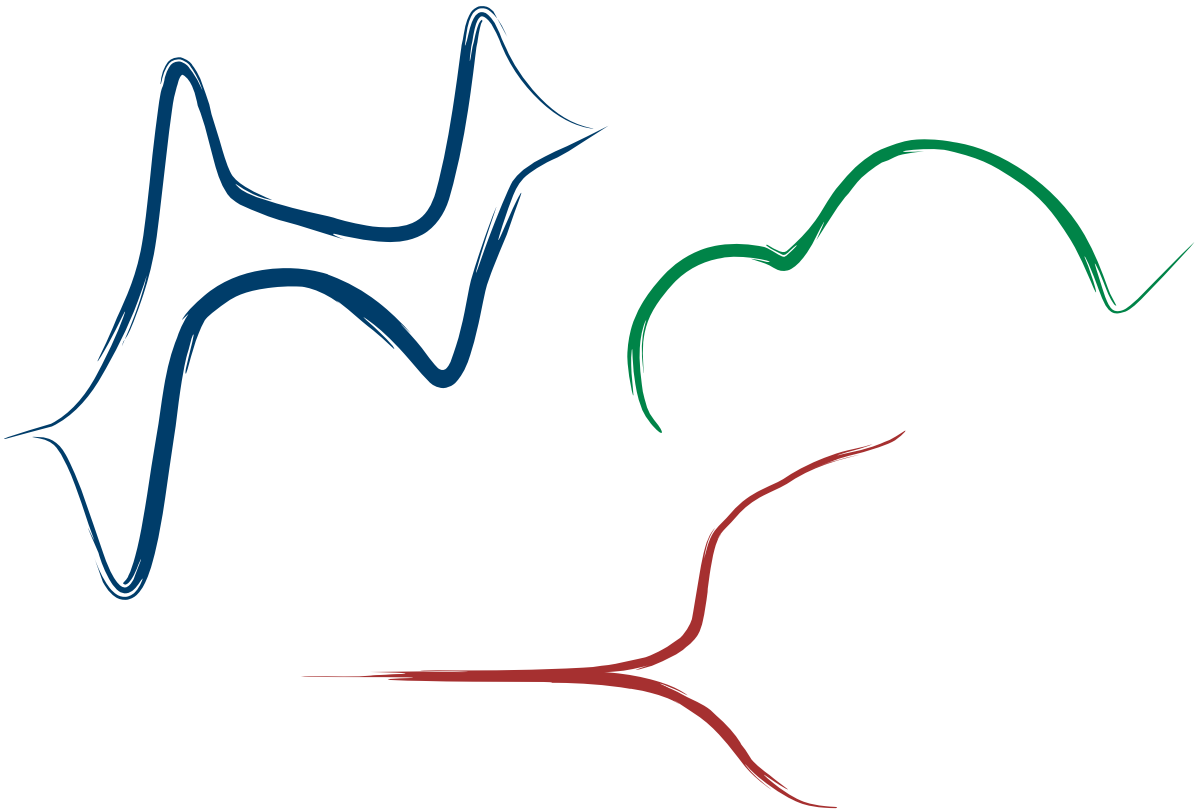
GAMRY INSTRUMENTS

Echem Analyst 2™ software

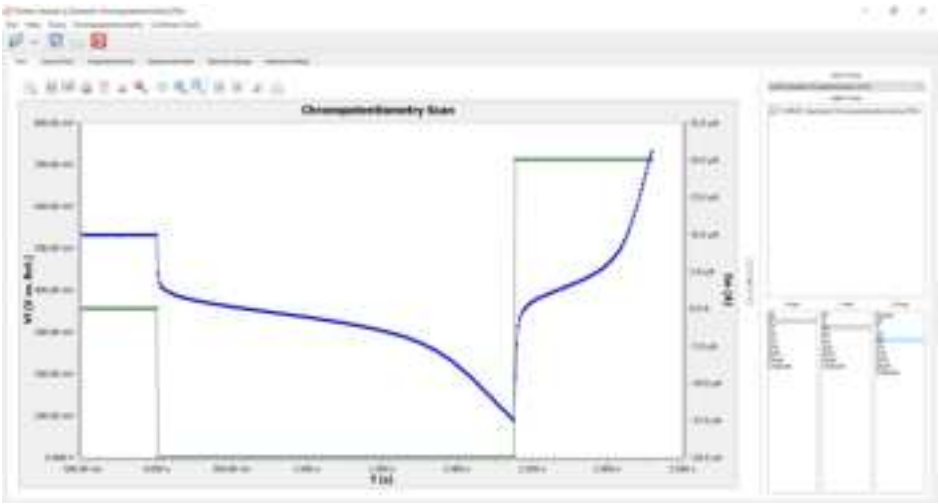
QUICK-START GUIDE



988-00074 Echem Analyst 2 Quick-Start Guide - Rev. 1.0 - Gamry Instruments, Inc. © 2022

To Open a Gamry Data File

1. Launch the Echem Analyst 2 symbol on your desktop.

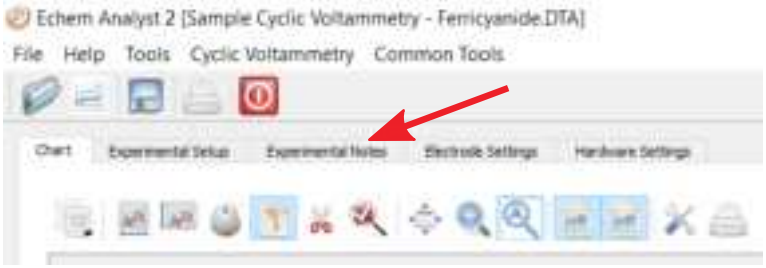


① Main Window

The main window displays the measured data as plot when a data file is opened.
It contains additional information about the experiment and is the workspace to analyze the data set.

Experiment Tabs
The main window is sub-divided into several experiment tabs which display different information about the data file.

Note tha some tabs are only displayed for specific experiments.



- The first tabs always show the default and most commonly used **chart** for the opened experiment type. For example, a Cyclic Voltammogram experiment displays the measured current (y-axis) versus the applied potential (x-axis).

- The **Experimental Setup** tab lists all parameters that were set within Framework™ software for this experiment.

- In **Experimental Notes**, any notes entered in Framework™ software are automatically listed. You may also enter additional notes in the Notes... field.

- Electrode Settings and **Hardware Settings** show advanced information about the electrode used for the measurement as well as potentiostat settings.

- The **Open Circuit Voltage** tab is only active if an experiment includes an open circuit potential measurement before the actual experiment. It is required for any experiment that uses potential reference versus the Open Circuit Potential.

Curve Selector
The Curve Selector area appears on the right side of the window and allows you to select which data files and which parameters you want to display.
You can hide the Curve Selector area by pressing the **Curve Selector button**.

- The drop-down menu in the **Active Trace** area allows you to select the data series on which the analysis is performed. Use it for overlayed data files.

- Chose which traces are visible on your plot in the **Visible Traces** ara by activating the checkbox(es) next to your desired trace(s).

- At the bottom, chose which paramaters are plotted on the **x-axis**, **y-axis**, and **y2-axis** to fully customize your plots.

2 Menu bar

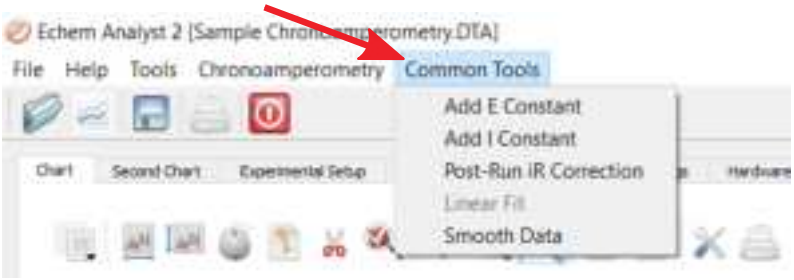
The menu bar is displayed at the top of the Echem Analyst 2 and includes universal as well as experiment-specific functions.
The file name of the currently opened data file is stated above the menu bar.

File
Open, overlay, save files, print data and graphs, and exit the software.

Help
Open the Help documentation for the Echem Analyst 2 and find additional software information.

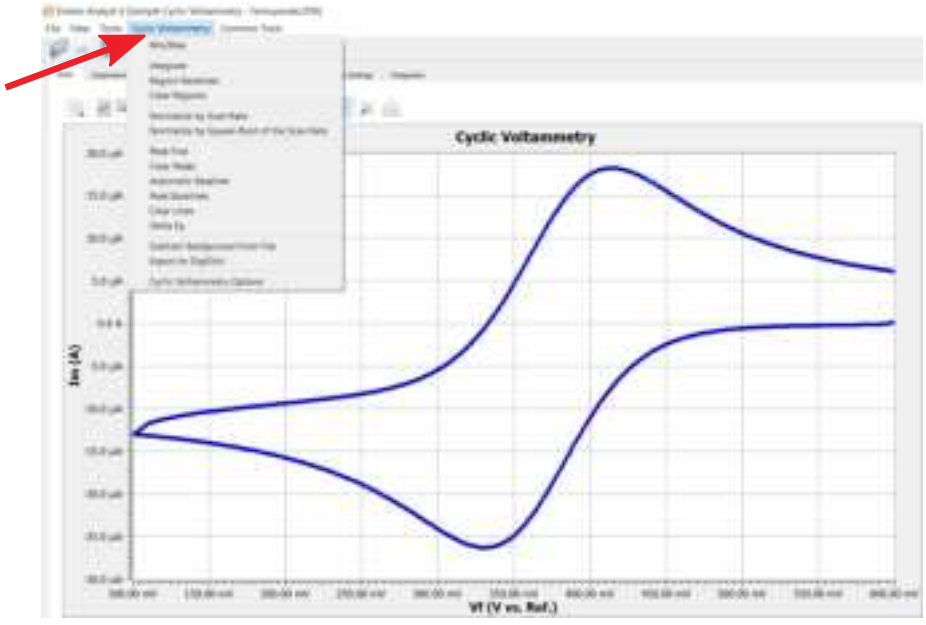
Tools
Tools to customize software scripts and additional options to customize the graph interface.

Common Tools
Includes functions to format and edit measured data for further analysis.



Experiment-specific tools
When opening a data file, a new menu function appears with the name of the experiment.

The drop-down list includes a series of advanced and most important tools to analyze the measured data for this specific experiment type. The example shows a Cyclic Voltammetry data set.



4 Graph toolbar

The Graph toolbar includes general functions for replotting, graph formatting, and data handling. It is displayed at the top of each experiment tab.

Copy to clipboard
Copy the plot as an image or your data (as text) to the Windows® clipboard.
Paste then directly in Microsoft programs for reports or presentations.

Select X Region / Select Y Region
Select a desired region of the plot across the x-axis or y-axis.

Select Portion of Curve using the Mouse
Left-click on the active trace using the mouse to select a section of the curve.

To Save a Gamry Data File

1. Go to **File** in the menu and choose the **Save** function in the drop-down window.

   You can also press the Save button in the **Menu toolbar**.