



FloZF Getting Started

The diagram illustrates the FloZF system setup. On the left, two sensors are shown: a smaller one with a yellow cap and a larger one with a black cap. Both are connected to a laptop. Lines from the laptop point to two screenshots of the FloZF software interface.

The top screenshot shows the software's main interface with the following sections:

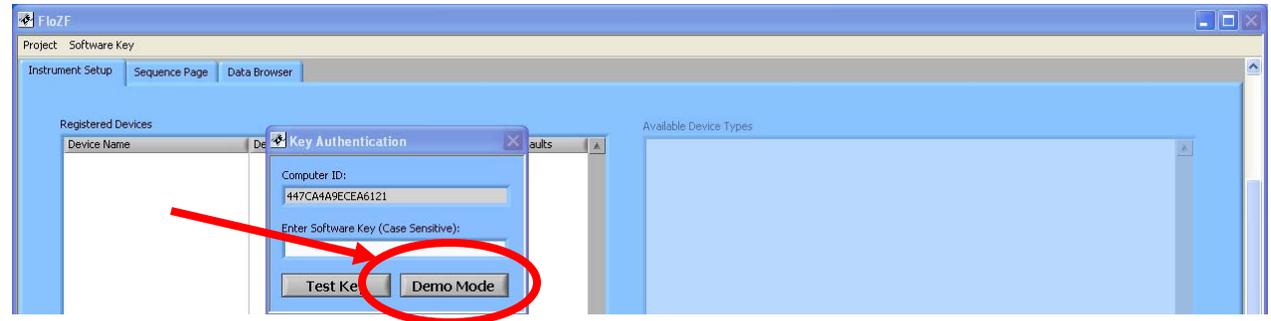
- Resource Setup:** A table listing resources like 'air flow', 'air flow 15', 'air flow 30', 'air flow 45', and 'air flow 60' with their respective units and parameters.
- Resource Sequences:** A section for defining measurement sequences.
- Work Sequences:** A section for defining work sequences.
- GlobalFIA Logo:** GLOBALFIA SUPPLIER OF FIA / SIA INSTRUMENTS AND COMPONENTS.
- Hardware Control:** A central panel with a circular dial and buttons labeled 'A', 'B', and 'C', with green arrows pointing left and right.

The bottom screenshot shows the software's data analysis and visualization capabilities:

- Plot:** A graph showing a peak response over time. The x-axis is 'Time (s)' from 0 to 60, and the y-axis is 'Response' from 0.00 to 0.60. A peak is visible at approximately 15 seconds.
- Profile Tables:** A table listing peak data for various concentrations.
- Calculation:** A table showing calculated values for peak height and baseline.
- Regression:** A graph showing a linear relationship between concentration and peak height. The x-axis is 'Concentration (ppm)' from 0 to 20, and the y-axis is 'Peak Height (mV)' from 0.0 to 0.6. A red line of best fit is shown.

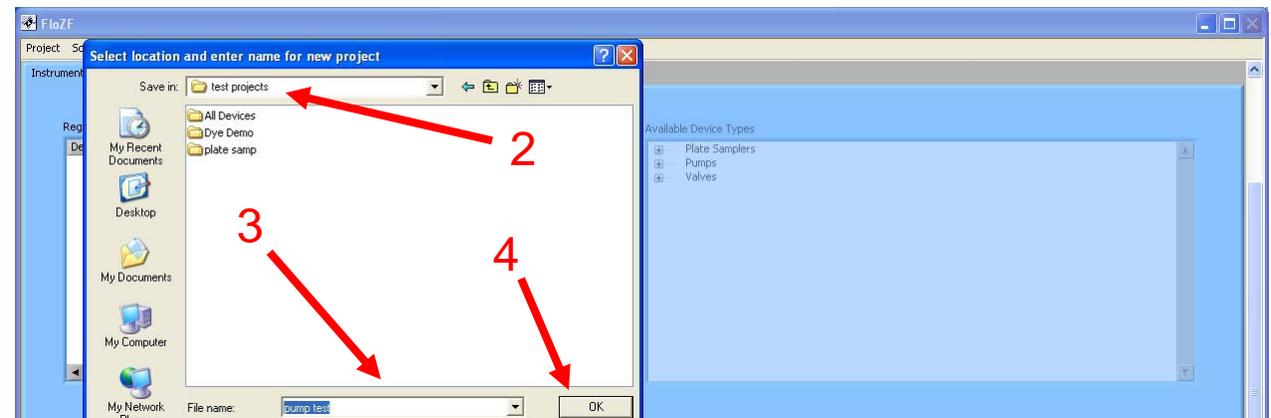
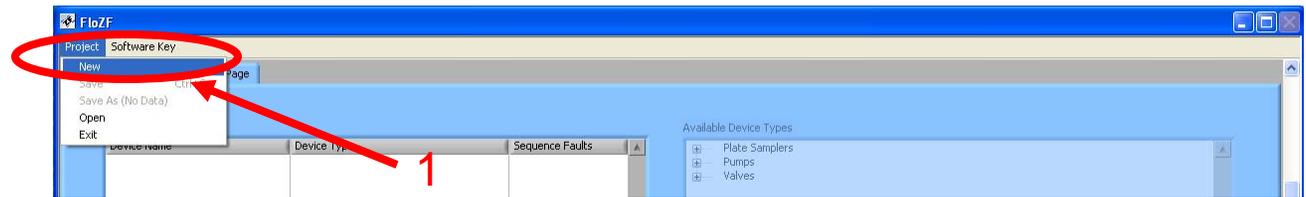
First Time Startup

Select Demo Mode to allow operation of milliGAT pumps, Valco valves, and Nymotion plate sampler



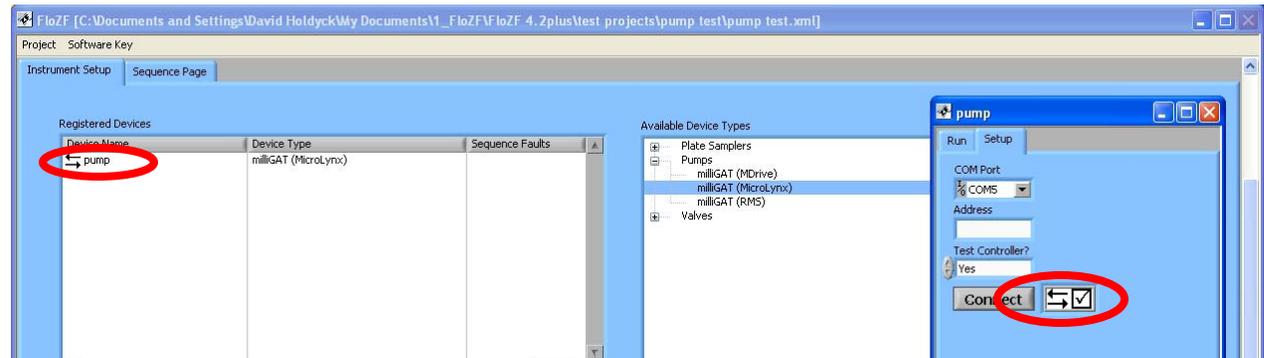
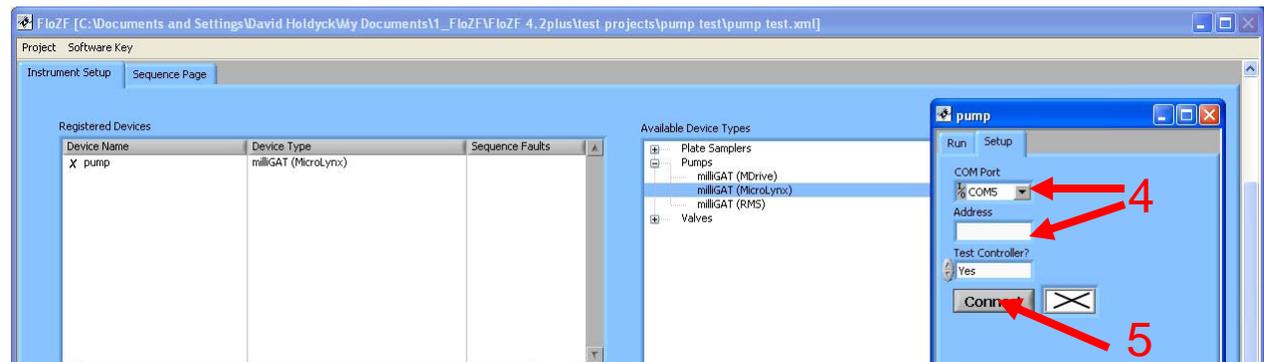
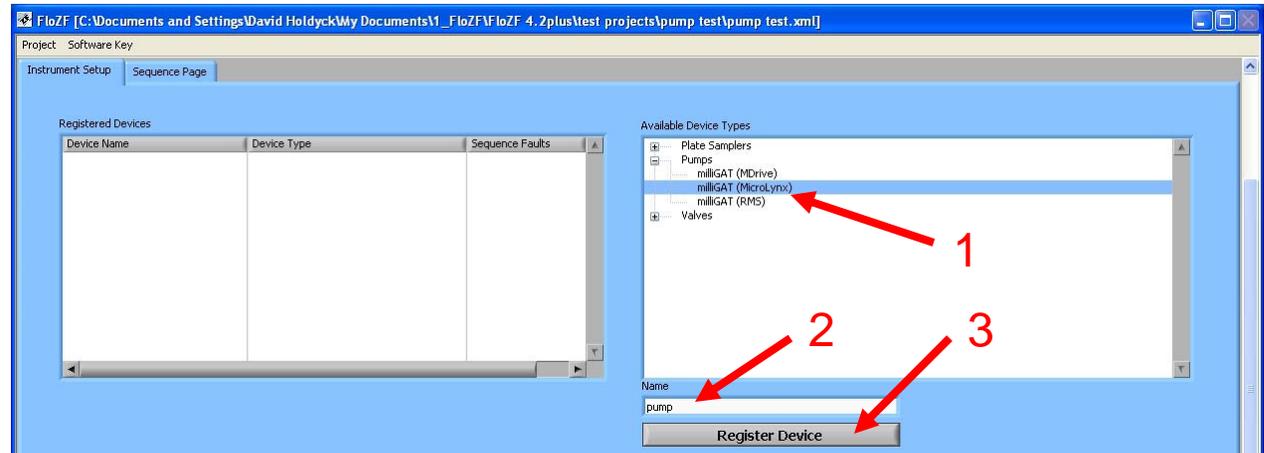
Creating a New Project

1. Select New under the Project menu
2. Navigate to location for project
3. Enter a name for the project
4. Select OK. A folder with the project name is created to store all project files.



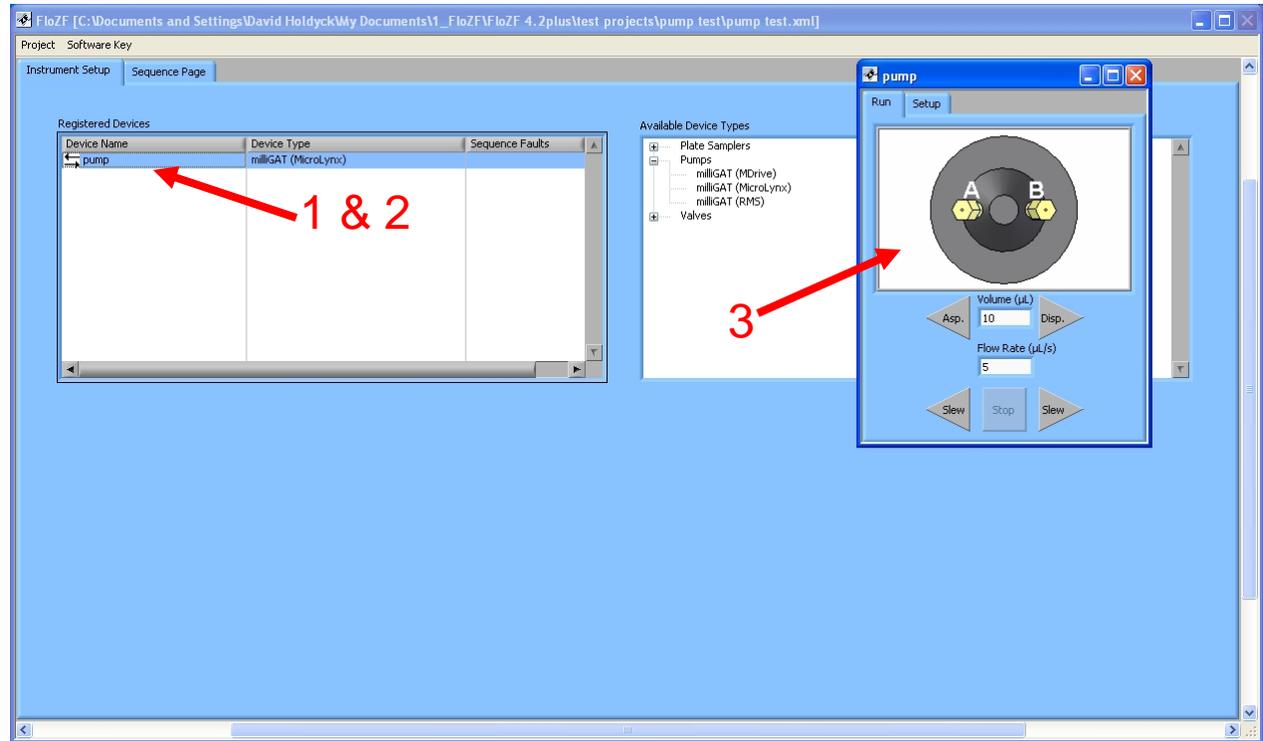
Adding Devices to a Project

1. Select the device type from the corresponding category
2. Enter a Name for the device in the field that appears below
3. Select Register Device. An instrument panel window will pop up.
4. Enter communications settings on the instrument panel Setup tab such as the COM Port (by default there is no Address for a milliGAT pump with microlynx controller so leave the Address field blank)
5. Select Connect
6. If a connection is made, the indicator changes. Otherwise, the communications settings may need to be changed



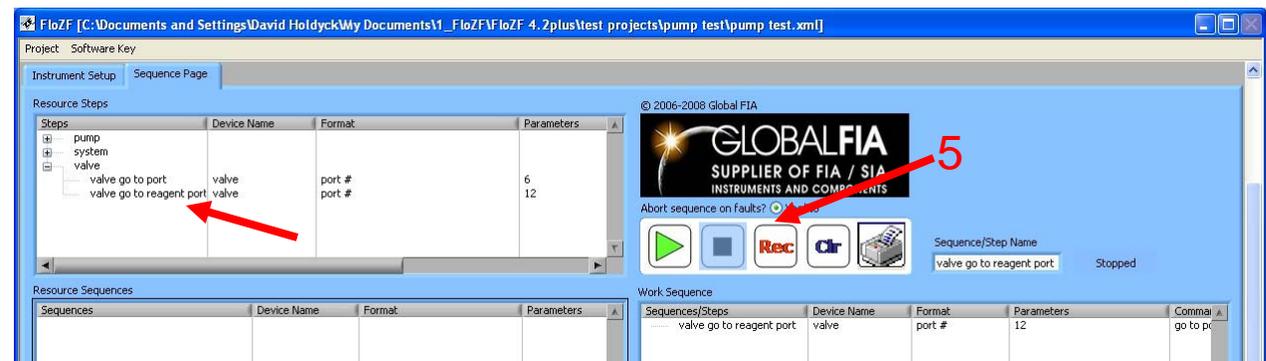
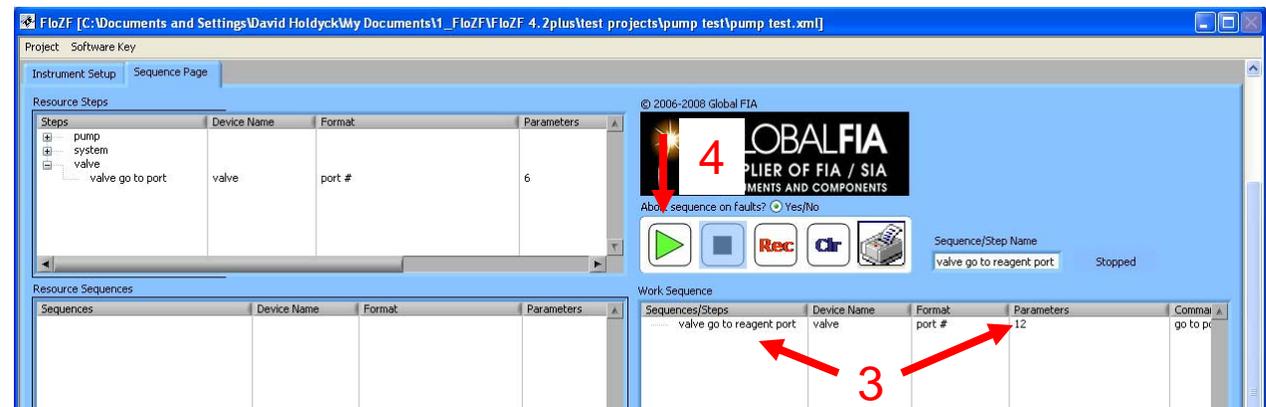
Accessing & Deleting Devices

1. To delete a device, click the device name once in the Registered Devices panel so that it is highlighted and press Control-Delete
2. To re-open a device instrument panel, click the name in the Registered Devices panel twice (once if it is already highlighted)
3. The device can then be operated “manually” from the Run page of the instrument panel



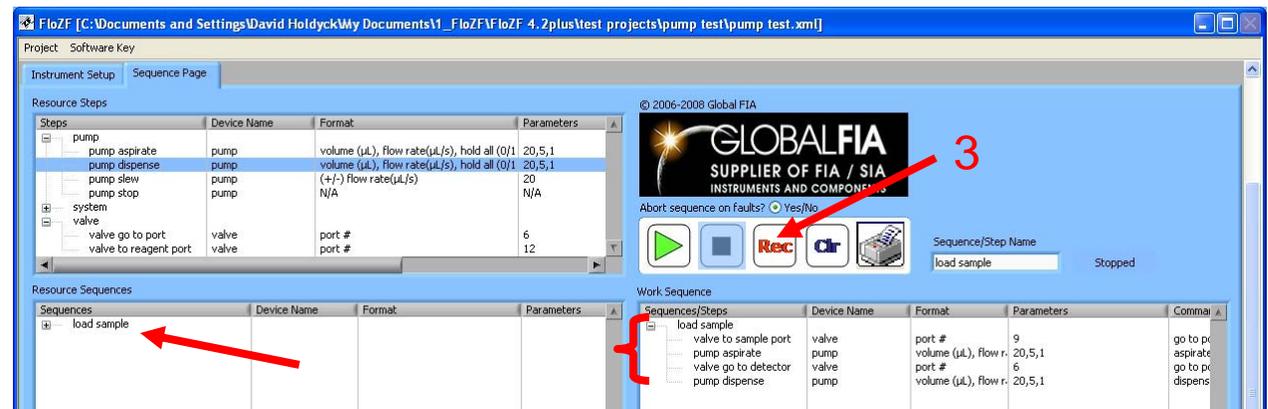
Modifying and Executing Steps

1. Every registered device has default commands, "steps", that are accessed from the Resource Steps panel
2. To modify or execute a step, drag it into the Work Sequence panel
3. The name and parameters of a step can be modified in the first and fourth columns by selecting on the text with two slow clicks
4. The step can be executed by pressing the play button
5. To save the modified step, press the Rec button. This adds the step to the Resource Steps panel.
6. To delete a step, select it and press Control-Delete



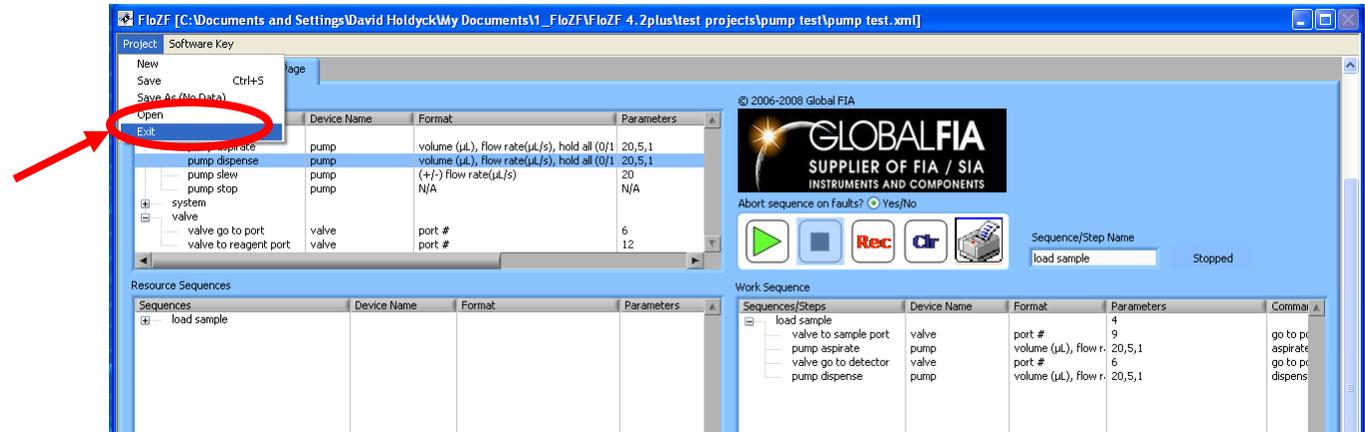
Building Sequences

1. To build a sequence from steps, drag two or more steps into the Work Sequence panel
2. Enter a name for the sequence into the Sequence/Step Name field
3. Press the Rec button. The steps are grouped together under the name of the sequence and the sequence appears in the Resource Sequences panel
4. If a sequence is to be repeated, enter the number of times it is to be repeated in the Parameters column
5. Sequences can also be dragged from the Resource Sequences panel to the Work Sequence panel to build new sequences



Exiting FloZF

FloZF must be exited by selecting Exit under the Project menu



Loading an Existing Project

1. Select Open under the Project menu
2. Navigate into the project folder that was created by FloZF
3. Select the file having the project name
4. Press OK

