

M201_flexgrf Instruction Supplement

Instructions for an alternate version of the M201 Graphics Application with Flexible Graphics Channel Selection.

An alternate, beta version, 1.7.2016, is basically the same as the standard M201 Graphics Application except that any 16 channels can be plotted at one time. This ability is useful for the Model 201 when just the 6 main channels are available, or in Model 201 systems with multiplexers for expanding up to the maximum of 96 channels.

Please reference the main manual for the m201 software at:
http://lawsonlabs.com/EMF16_M201_Software_Instructions.pdf

The Getting Started, and Hardware and Software Installation sections in the manual are completely parallel. The differences are in the Operations section.

In **Operations, section A, Location of Controls**, Channel selection boxes 23 and 24 have been removed. The channel selection buttons (22) now are labeled in main channel-sub channel format. The selection of channels to plot is now made in the Text Screen (see below).

Prior:



Alternate:



Graph background color can be user-selected by right-clicking on the background and then choosing a color from the color-select box that appears. The background color cannot be changed during scanning.



In **Operations, section B, Text Screen**, boxes have been added for selecting any combination of main-sub channels for plotting. Each check-box is color-coded to match the main-sub channel selection buttons on the main panel. The colors are selected sequentially, so that you will need to reset colors on the main panel if you want a particular channel to retain a particular color after rearranging the plotting configuration.

	Chan 0	Chan 1	Chan 2	Chan 3	Chan 4
sub 0	---	---	---	---	---
sub 1	---	---	---	waiting	---
sub 2	waiting	waiting	---	waiting	---
sub 3	waiting	waiting	---	---	---
sub 6	waiting	---	waiting	---	---
sub 9	---	---	---	---	---

In **Operations, section E, Offsets**

Offsets for all 16 sub-channels on all 6 of the main channels are saved when the "Save Offset" button is clicked. Inactive channels have offsets of 0. Care should be taken to ensure that all channels are reading correctly when offsets are saved. Best is to turn Offset Correction Off, then switch to the Text Screen to review all the data. Only then, switch to the Graphics Screen to save and apply offsets. Then, switch back to the Text Screen to confirm the results.

In **Operations, section G, INI file** (for saving configurations)

The .ini file for saving the configuration is called M201_flexgrf.ini. The flexible graphics version preserves the state of the "Use Offsets" and "Autoscale" buttons, as well as the color selections.

Only one configuration is saved, M201_flexgrf.ini, in the Windows directory. Because of increased effort required to complete a flexible graphics configuration, you may want to quickly switch between multiple configurations. You can do this manually. Copy any configurations you wish to preserve to another folder. Give them descriptive names. Then, you can choose the configuration you want by renaming it as M201_flexgrf.ini and placing it in the Windows folder. You will need to restart the software in order to reload the new configuration.