

How do you get started with ExceLINX-1A?

ExceLINX-1A is an Add-in product for Microsoft Excel. The following procedure sets up a 10 channel scan for DC voltage.

1. Install Excelinx-1A.
2. Start Excel.
3. Pull down the Excelinx menu from the tool bar.
4. Select Configure Instruments.
 - a. Click on the Passports Menu and select the required medium (GPIB, Serial, etc.)
 - b. To create a new instrument, start the Wizard in the Help menu.
 - c. This will guide you through a new configuration.
 - d. The default devices are normally enough and new configurations are not required for this procedure.
5. Save the configuration and close the configuration panel window.

Configure DMM Channels

6. Pull down the Excelinx menu from the tool bar and select Create.
7. Select Configure Scanning DMM Channels.
8. In a few seconds the DMM Config sheet will appear. The fields will be populated with defaults.
9. Pull down the menu in line 12 (Device) and select the appropriate Device (Com1, GPIB ,etc) that your are going to use.
10. At this point it would be a good idea to find out if the instrument and software are working. Pull down the Excelinx menu from the tool bar and select DMM Config. Then select Detect Device. This will search for the device and place it in remote. Row 11 (Status/Cmds) will show “Running” then will stop and show “Task Stopped Successfully”. If this does not appear then check the configuration panel, cables, make sure the instrument is set for the appropriate bus (RS-232, GPIB or EtherNet) also make sure the Front/Rear panel switch is set to Rear.
11. Go to line 35 (row 35 column B). This is the scan list. Click on this cell and type in 101-110. This means the scan list consists of channels 1 through 10 in slot 1 of the unit.
12. Go to line 35 (row 35 column D). This is the function select cell. There is a pull down menu that lists all the functions. Select the appropriate function. For this example we will select DCV.
13. For this example we will leave all other parameters in this row as default.

Configure DMM Scan

14. Pull down the Excelinx menu from the tool bar and select Create.
15. Select Scan DMM Channels.
16. In a few seconds the DMM Scan sheet appears. The fields will be populated with defaults.

17. In line 16 (Reading Count) enter 10. This is the number of scans for the 10 channels selected in the DMM Config sheet.
18. In line 20 (Work Sheet) select Sheet 1. This will place the data in Sheet 1 instead of the DMM Scan sheet.
19. In line 22 (Starting Row) enter in 1. This will start the data in row 1 instead of 37.

Start the Scan

20. Pull down the Excelinx menu from the tool bar and select DMM Scan. Click on Start. It normally takes a few seconds to configure the instrument and start the scan.
21. Select Sheet 1. Notice the tabs at the bottom of the screen. (DMM Scan, DMM Config, Sheet1, Sheet2, Sheet 3).
22. Monitor the data filling the sheet.

This procedure is just one example of how to get up and running with ExceLINX-1A. There are many other parameters that affect the scan and data taking process. This procedure did not take into account the Filters, Limits, Pulse Outputs, AutoZero, Storing data into a file, timestamp and many other features. Please refer to the other FAQs for Excelinx-1A or the help files for more information about these parameters.