

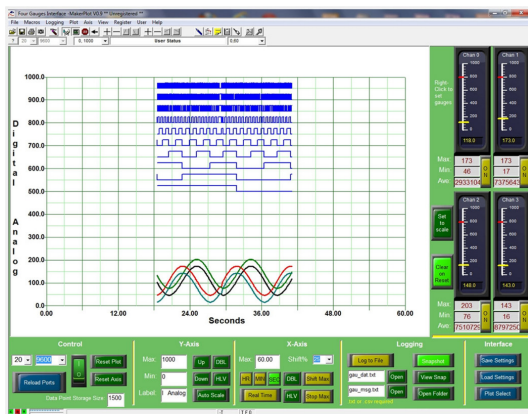


Data Acquisition & Control Software For Microcontrollers

If you're designing and programming with microcontrollers, there's no doubt you're going to generate lots of analog and digital data in the process.

But have you thought about how your data gets displayed, logged, debugged or analyzed in graphical form?

That's where **MakerPlot** comes in.



MakerPlot is Windows® software for plotting analog and digital data generated by your microcontroller.

Ten screens like the one above come standard with **MakerPlot**. With a large plot area along with switches and buttons that control all the on-screen features, your analog and digital data can be displayed in multiple colors as well as logged for later analysis.

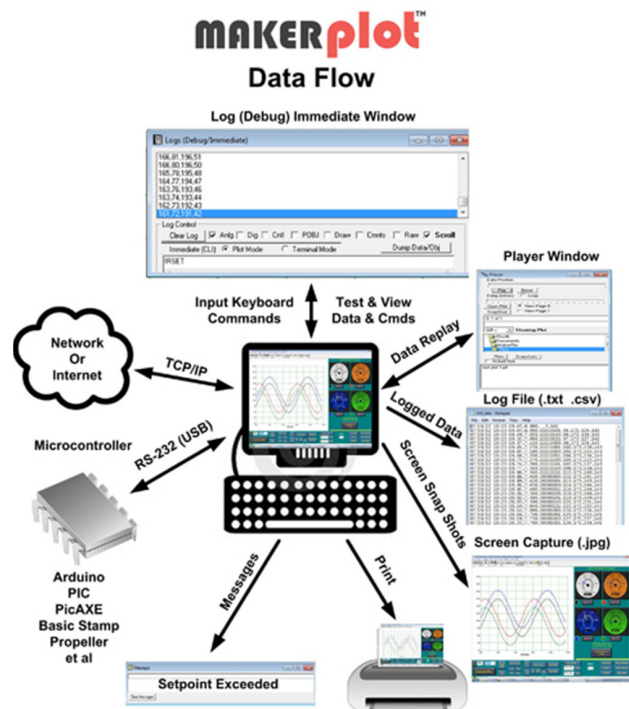
We named it **MakerPlot** for those "Makers" who want to create their own unique GUIs. You can create any type of screen that suits you like the one above.

That's the real power behind **MakerPlot** it's designed to be customized – by you!

And there's no proprietary hardware required to connect to **MakerPlot** – just a serial connection from your micro to your PC – that's it!

This is a functional Block Diagram of **MakerPlot's** data flow. These are the paths that your data can take going in and out of the **MakerPlot** software engine, and there is ample capability for true bi-directional interaction between **MakerPlot** and your micro.

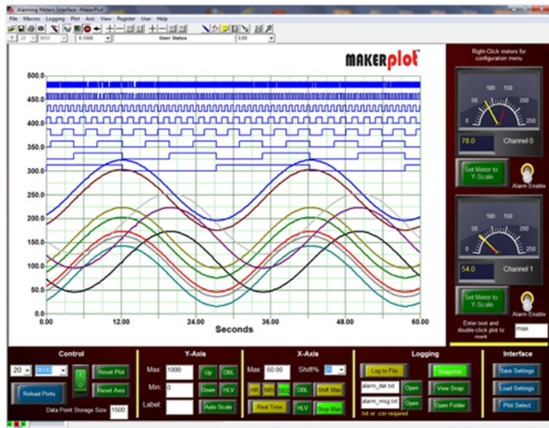
So besides plotting analog and digital data, think of **MakerPlot** as an extension of your micro for data logging (in **Excel**® CSV format), data replay for analysis,



debugging and math-co processing.

Supported micros include:

Arduino®, **Netduino**®, **PIC**®,
PicAXE®, **Basic Stamp**®, **Propeller**®,
Raspberry PI®, **BeagleBone**®, etc.



Typical Screen: Above is a typical screen with 10 channels of analog data and 8 bits of digital data being plotted along with two meters that can display any of the analog or digital data.

Meter Alarms: You can configure audio and visual meter alarms to alert you to when your signals are above or below limits that you set on the meter's face.

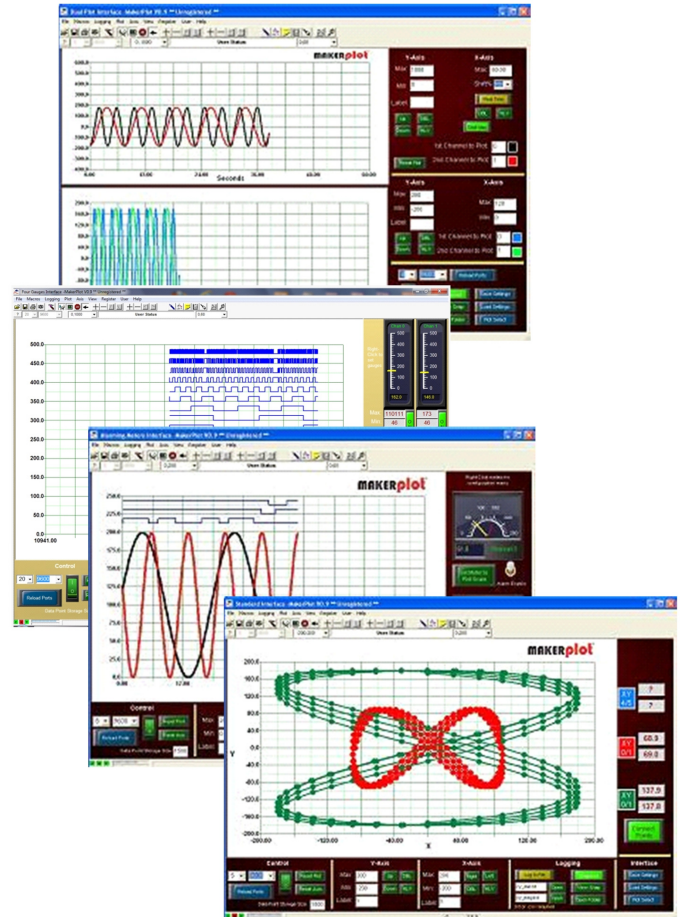
Menus: At the bottom, menu buttons control the horizontal and vertical scales as well as data logging, printing and screen snap-shots that are saved as .jpg files for later analysis.

Customizing Screens: With dozens of meters, buttons, switches and text boxes to choose from, you have full control of the screen design and how your data is displayed, plotted, logged in **Excel®** CSV format and printed.

Many Micros: **MakerPlot** works with most popular microcontrollers that output ASCII serial data at standard Baud rates in the RS-232 format. This also includes USB virtual comm ports like those created with FTDI-type chips.

Bi-Directional: Your microcontroller has the ability to read information back from these screens for interactive measurement, plotting and control. Use **MakerPlot** to control your micro.

Math Co-Processing: Don't limp along with integer math. Let **MakerPlot** do your floating-point math for you.



Ten Screens Come Standard: You have your choice of up to 10 pre-built screens that can get your analog and digital data plotted immediately! Then you can go on to customize them as you wish – or roll your own from scratch!

Get **MakerPlot Today!!**

www.makerplot.com