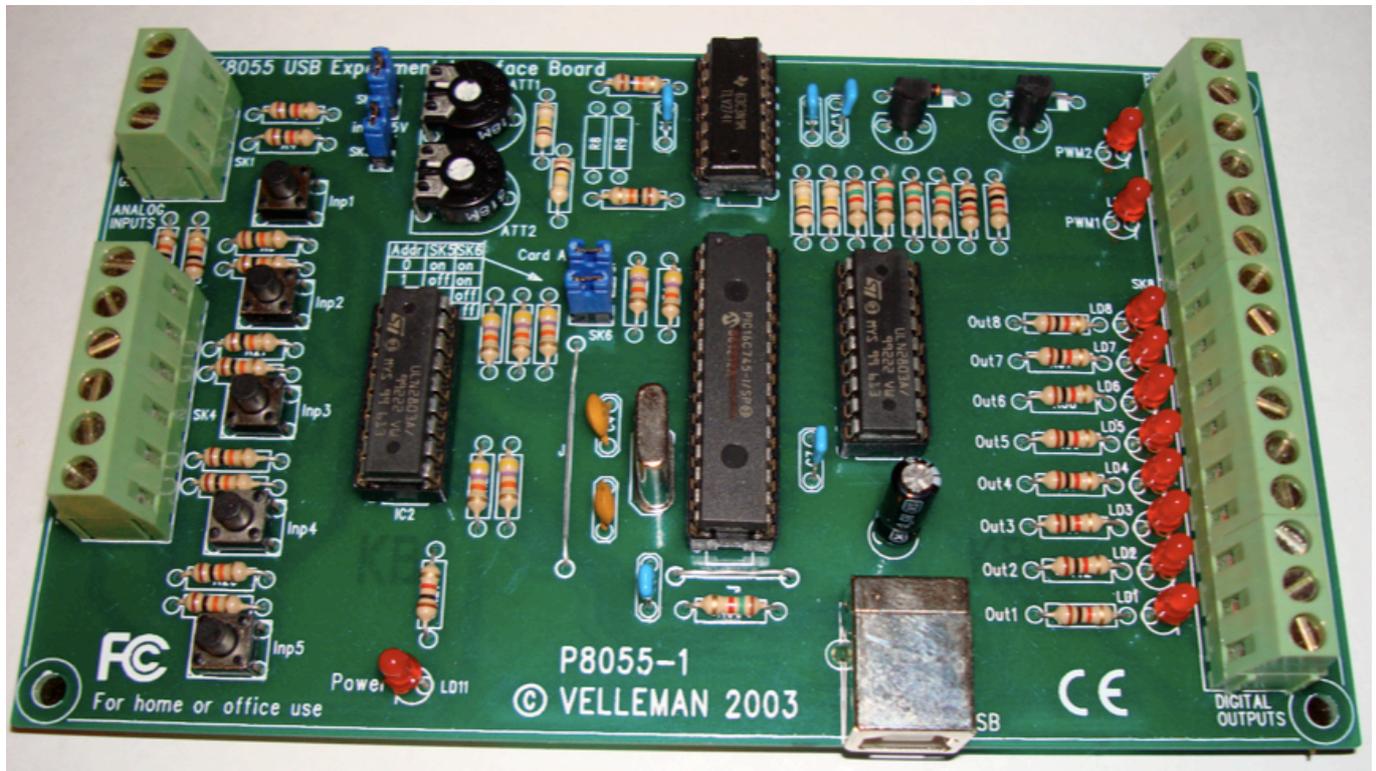# Consultant K8055 Howto

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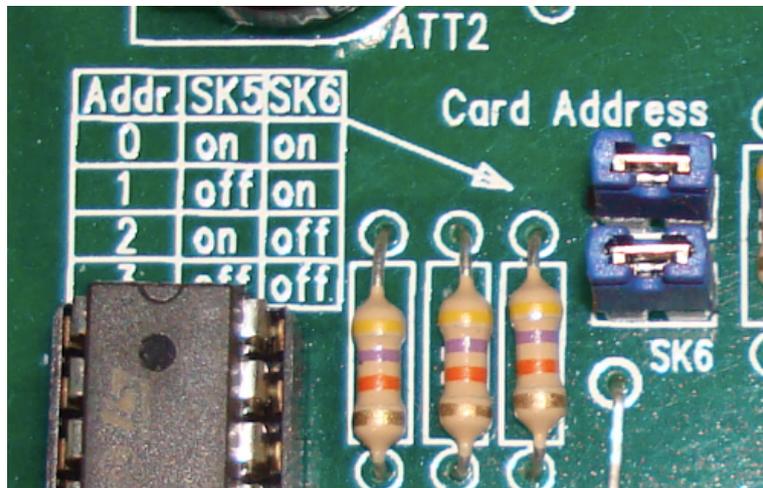
2009-06-28   Version 1

K8055

This document is a guide to connecting a Velleman K8055 board to a Mac running ConsultantX software from Control Plus.

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Addressing.

The K8055 board has jumpers to set its address from 0 to 3. This allows you to connect up to 4 x K8055 boards to one Mac. Before you connect the K8055 take note of the address jumpers on the board.
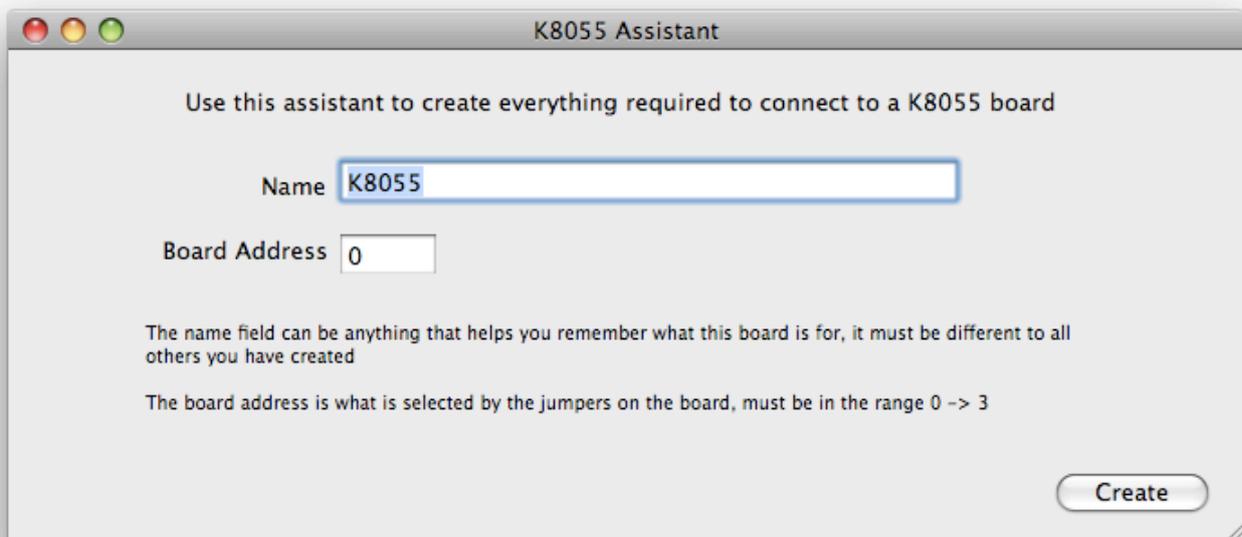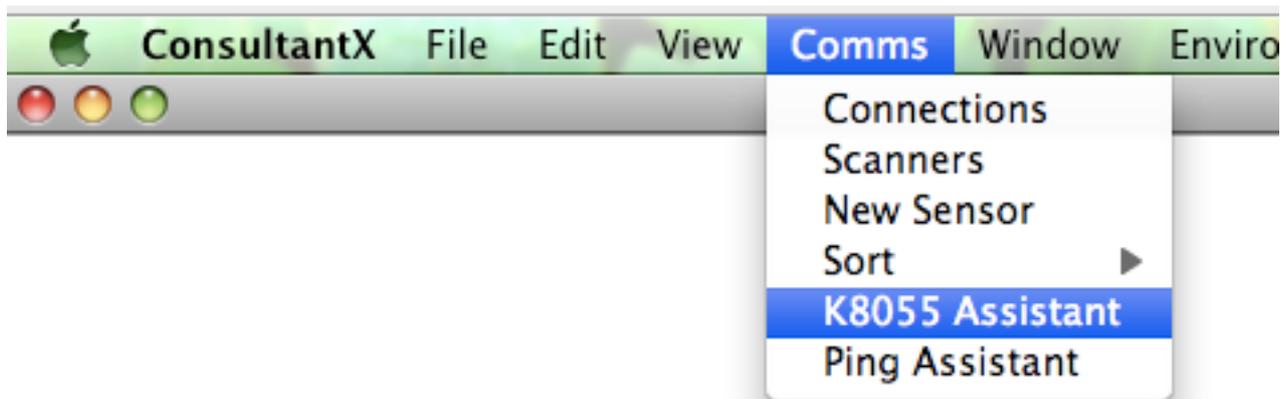

Connecting

Plug the K8055 board into a spare USB port before starting ConsultantX. Once the board is plugged in start ConsultantX

Assistant

ConsultantX is a very powerful piece of software and has many options, to make it easy ConsultantX also has a number of assistants. To setup all the options required to communicate with the K8055 board, select *K8055 Assistant* from the *Comms* menu.
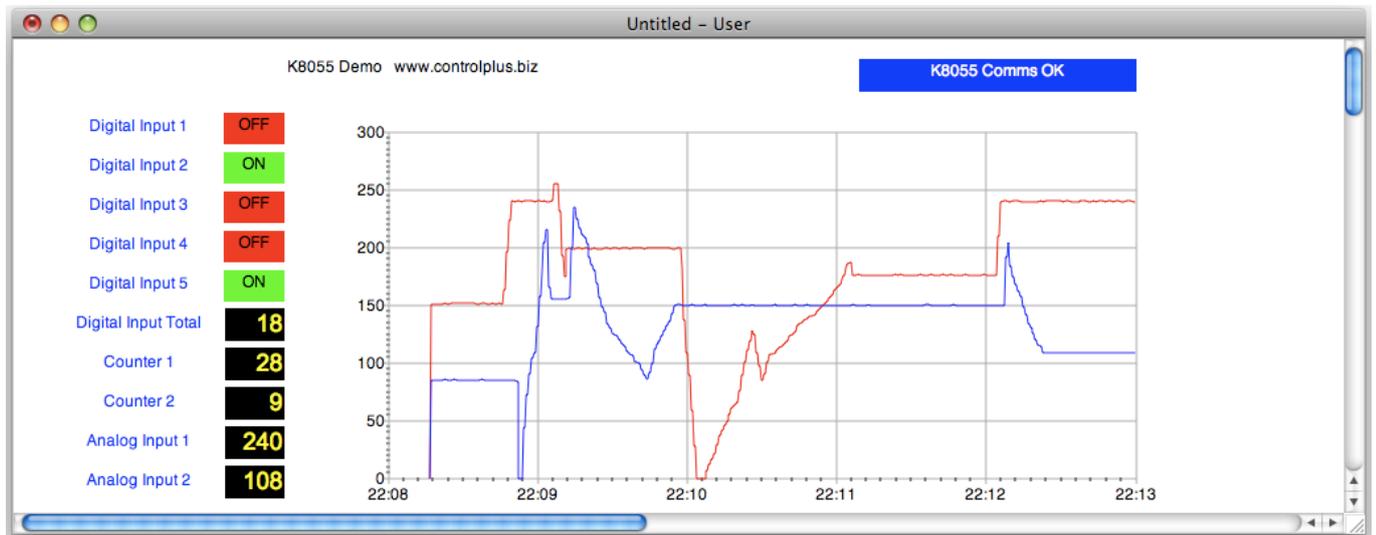
There are only 2 options in this assistant

Name – This can be anything you like that helps you remember what this K8055 board is for.

Board Address – this must be equal to the address of the board you wish to connect to. See the section above on addressing.

Click *Create* to close the assistant and create a connection to the K8055 board.

You can now use this basic display to monitor your K8055 board. This display can be edited to display the data in any format. From the *Environment* menu select *Design* and you can then edit all the objects in the window.

This graphic display is not saved to disk, if you want to keep this window make sure you save it to disk by selecting *Save* from the *File* menu.
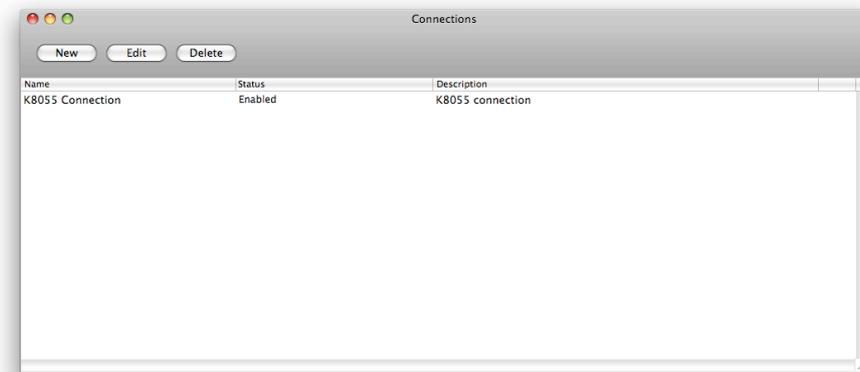
Trends

A handy short cut to view a trend of an analog value is to right click on a value in a graphic window. Try it now by right clicking on the black and yellow value for the signal "Analog Input 1". A trending window will be displayed that will allow you to interactively view this sensor value against time.
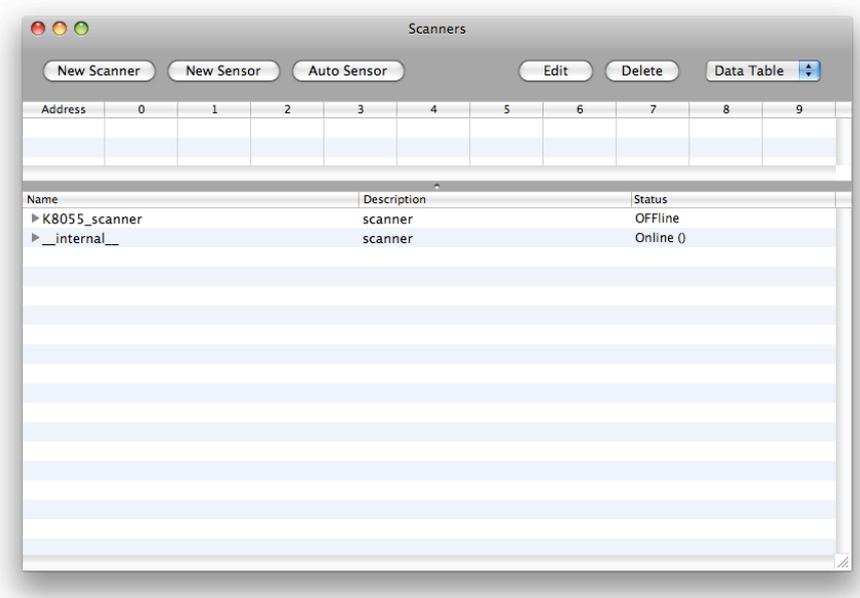
What does the Assistant do?
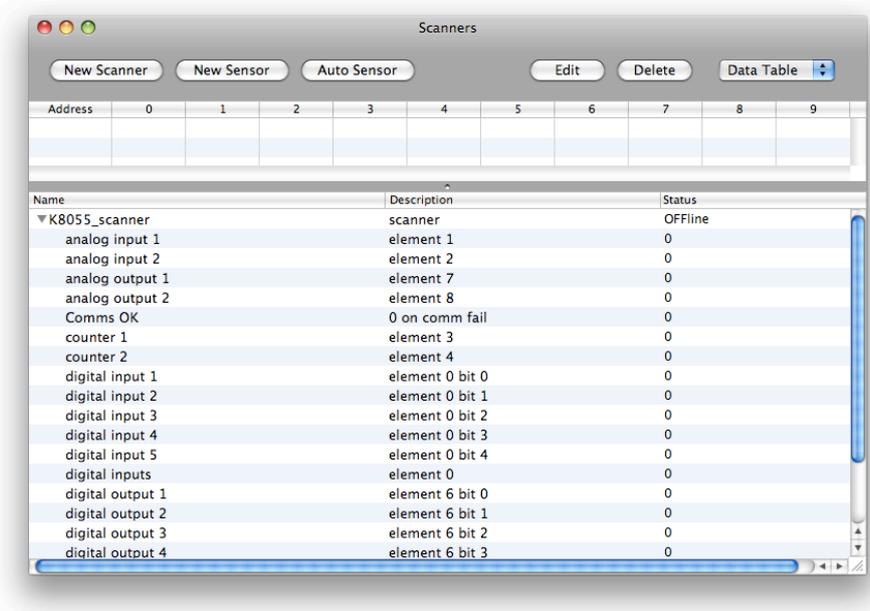
This K8055 Assistant creates the following:-

1. A *Connection* to the K8055, Select *Connections* from the *Comms* menu to see the connections that are configured.

2. A Scanner to access the data from the particular K8055 board at the address you specified (0 – 3). Select *Scanners* from the *Comms* menu to see the scanners that are configured.

3. All the sensors required to use the data the scanner gets from the K8055 board. Click on the expand arrow next to the scanner to see all the sensors.

Last the assistant creates a graphic window to display and trend the data from the sensors.

Howto's

To learn more about ConsultantX refer to the other ConsultantX howto's