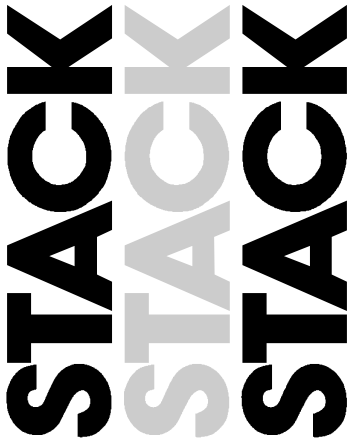


DataPro Manual Supplement

Preliminary

(ST542085-005)

Applies to DataPro Version 5.0 and Later

Table of Contents

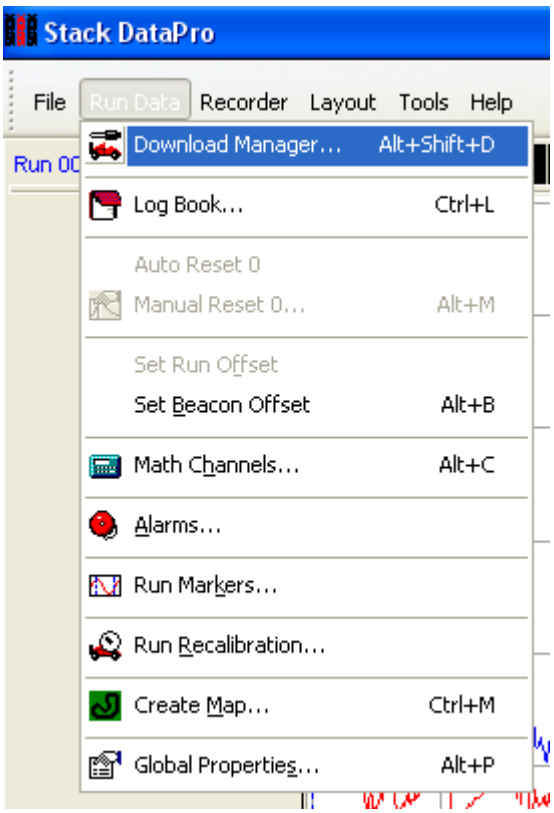
DataPro Application 3
Downloading Data from a Logger 3
Registration 3
Downloading 4
Changing Download Track and/or Session 4
Changing the Download Track 5
Changing the Download Session 5
Auto-Calculations 5
Using Alarms 7
Defining an Alarm 7
Defining Alarm Limit Global Variables 9
Setting Alarm Limit Variables 9
Executing Alarms 10
Viewing Alarm Reports 10
Printing an Alarm Report 11
Run Selector Context Menu 12
Additional Selected Run Information 12
Active Connection Dropdown List 12
Selecting a Logger Connection 12
Channel Groups 13
Using Channel Groups 13
Math Channels 14
Creating a Math Channel 14
Executing a Math Channel 15
Log Book 16
Configuring the Log Book Parameters 16
Viewing the Log Book 16
Comparing and Searching Log Book Data 17
Hints, Tips & Tricks 19
Shortcut for Adding Channels to a Strip Chart 19
Shortcut to Strip Properties 19
DataPro Designer Application 20
Optional Modules 20
Adding Optional Modules to a Configuration 20
Internal G Sensors 22
Enabling the internal G sensors 22
Configuring Internal G Sensors on a Wireless Recorder 23
User Defined System Configurations 24
Defining a Custom Configuration 24
Custom Sensors 25
Creating Custom Sensors for Designer 25
Editing a Custom Sensor 27
Using a Custom Sensor 28
Deleting a Custom Sensor 28
Multi-Function Recorders 29
Enabling Multi-Function Interfaces 29
WR Module Configuration 30
Modifying Your PC's Wireless Network Connection 30
Connecting to the Wireless Network 32
Modifying the WR Module Configuration 34
Further Notes 36
Automatic IP Assignment (DHCP) 36
Using a Different Subnet 36
Using an Access Point 36
Using a Non-Windows XP Firewall 36

DataPro Application
Downloading Data from a Logger

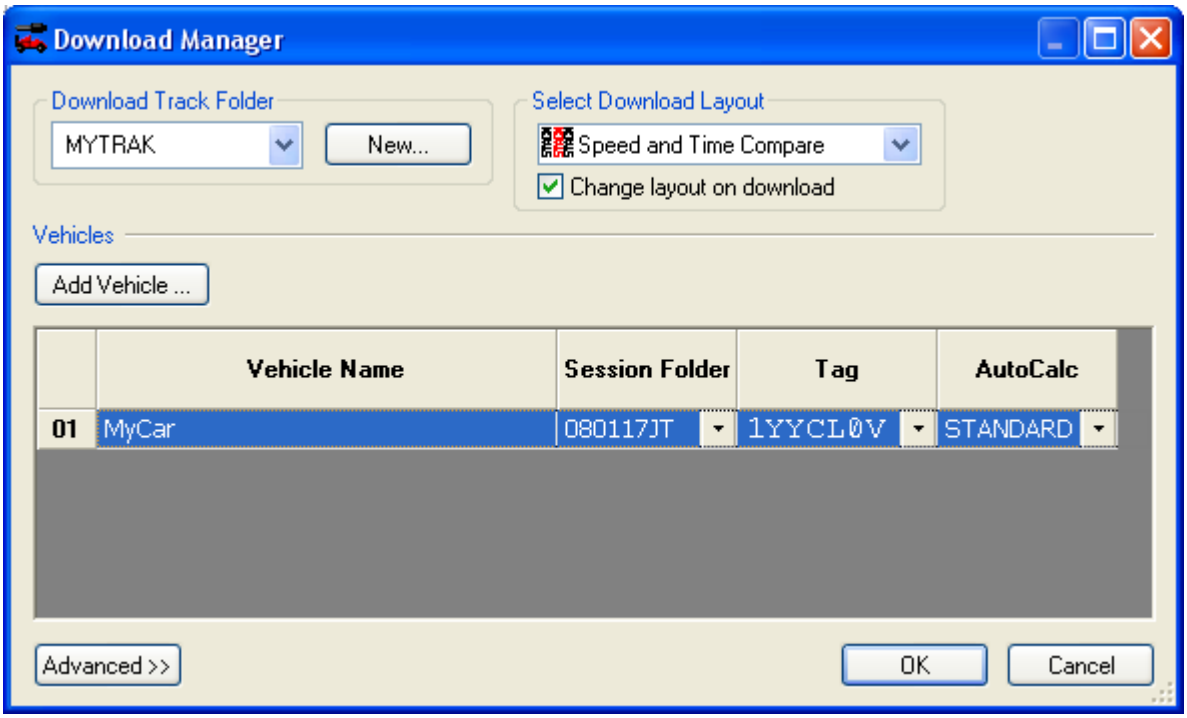
Registration

Before you may download data from a logger, you are required to register the logger's TAG number with DataPro. Please note, this is a different operation from authorising a pincode for the logger (which must be done prior to logger registration).

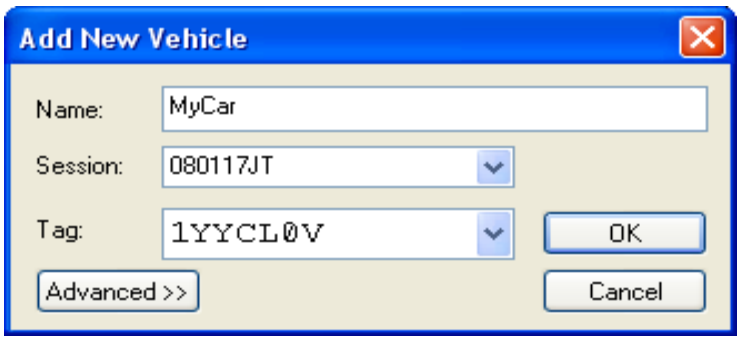
To register a logger's TAG select the **Download Manager...** option from the **Run Data** menu.



The **Download Manager** allows the user to register loggers and to edit the download track and session. The Manager also allows the user to specify post-download operations such as auto-calculations and alarms.



Under the **Vehicles** heading click the **Add Vehicle...** button. This will display the **Add New Vehicle** dialogue.



Enter a unique name for the vehicle to which the logger is fitted.

Specify a session folder name for the downloaded data from this logger in which to reside. Note, you may change the session folder name at any time prior to a download.

Enter the logger's TAG number. You can either type this number in manually or, if the PC is currently connected to the logger via a CANUSB connection, you can click the dropdown arrow and select **<Get...>** from the displayed list.

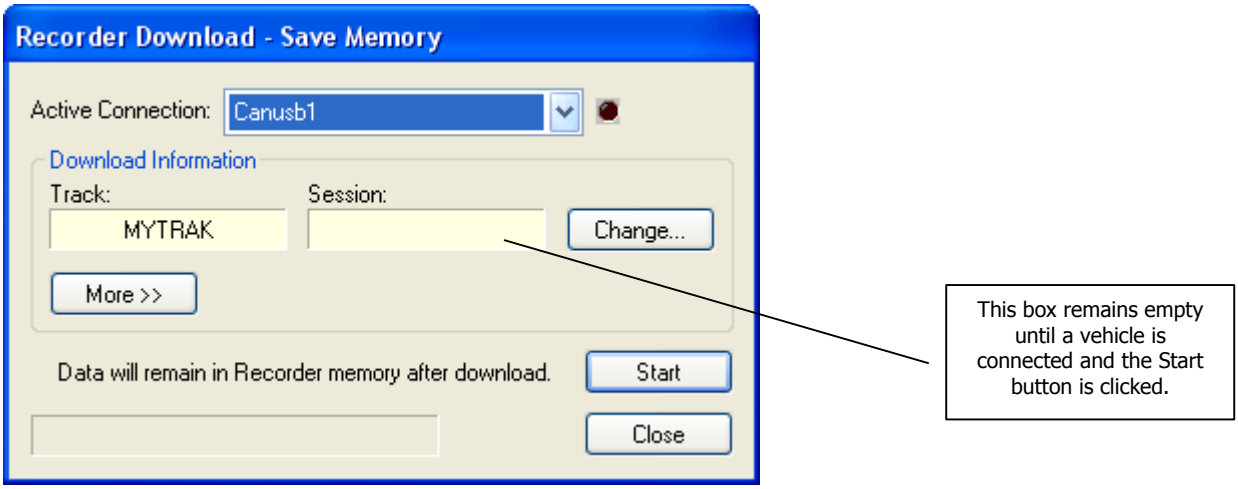
Now click the **OK** button to close the **Add New Vehicle** dialogue.

You may repeat this operation for however many vehicles from which you wish to download.

Then click the **OK** button on the Manager dialogue and click **Yes** on the **Save Changes** dialogue when prompted.

Downloading

Select the **Download Save Memory...** or **Download Erase Memory...** option from the **Recorder** menu, depending on whether or not you want the data to remain in the recorder after download. The following shows the **Download Save Memory** dialogue.



Select the required connection from the **Active Connection** dropdown list. If you have a wireless system, then the currently connected vehicle names will appear in the **Active Connection** dropdown list. For standard systems, however, the active connection should be set to **Canusb1**. Note, if you have unchecked the **Show Active Connection** option in the **Global Properties** dialogue, then the **Active Connection** dropdown list will not be present.

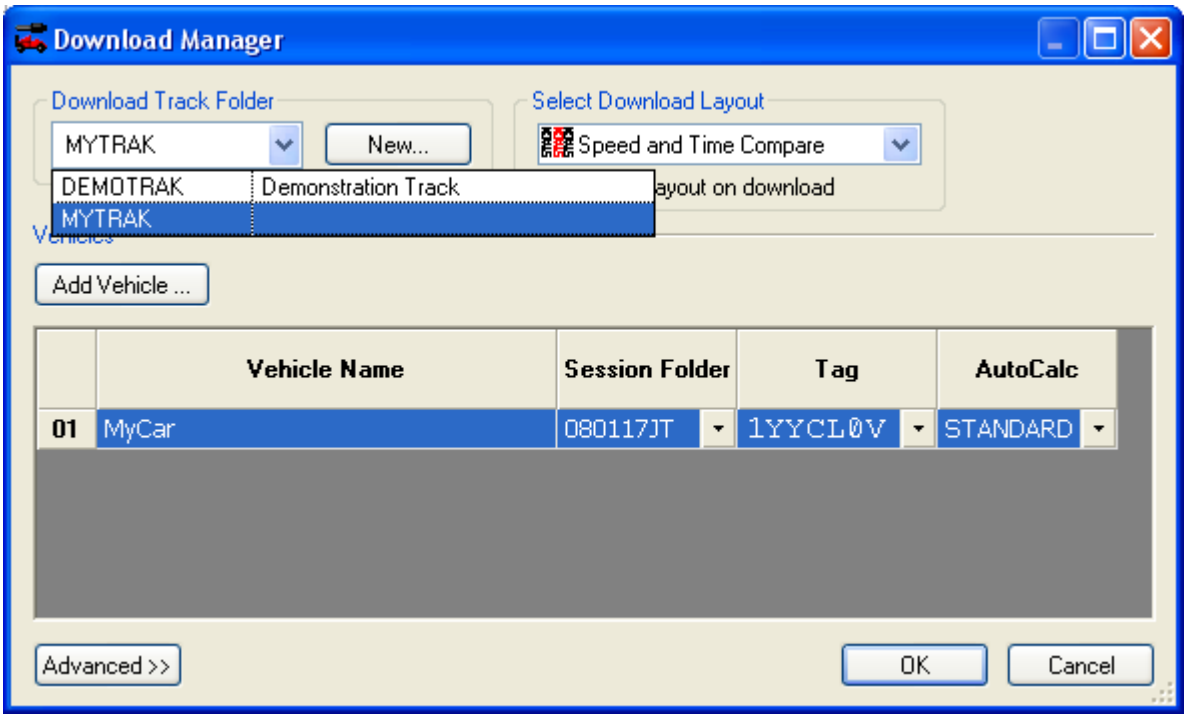
If you wish to change the track or session for a vehicle, click the **Change...** button (for more information please see Changing Download Track and/or Session). Please note that the Session, Tag and Vehicle Name boxes are not displayed on the download dialogue until the logger is connected and the **Start** button has been clicked. To start the download, click the **Start** button.

Changing Download Track and/or Session

You may change the download track and/or session folders with the **Download Manager** at any time prior to download. Clicking the **Change...** button in either of the download dialogues will display the Manager.

Changing the Download Track

To select a track folder that has already been created, just select the track from the **Download Track** dropdown list.



In order to create a new track, simply click the **New...** button to the right of the **Download Track** dropdown list. Then enter your unique name for the new track folder when prompted. Remember to click the **OK** button when closing the Manager in order to save your changes.

Changing the Download Session

The download session folder is vehicle-specific, that is to say, you may define a different session folder for each registered vehicle. To change the session folder, simply double-click a session cell in the vehicle grid and enter a session name. You may also use the dropdown arrow button on the session cell to select a session that already exists or select the **New...** option, which will use a date as a session name (in the form of YYMMDD).

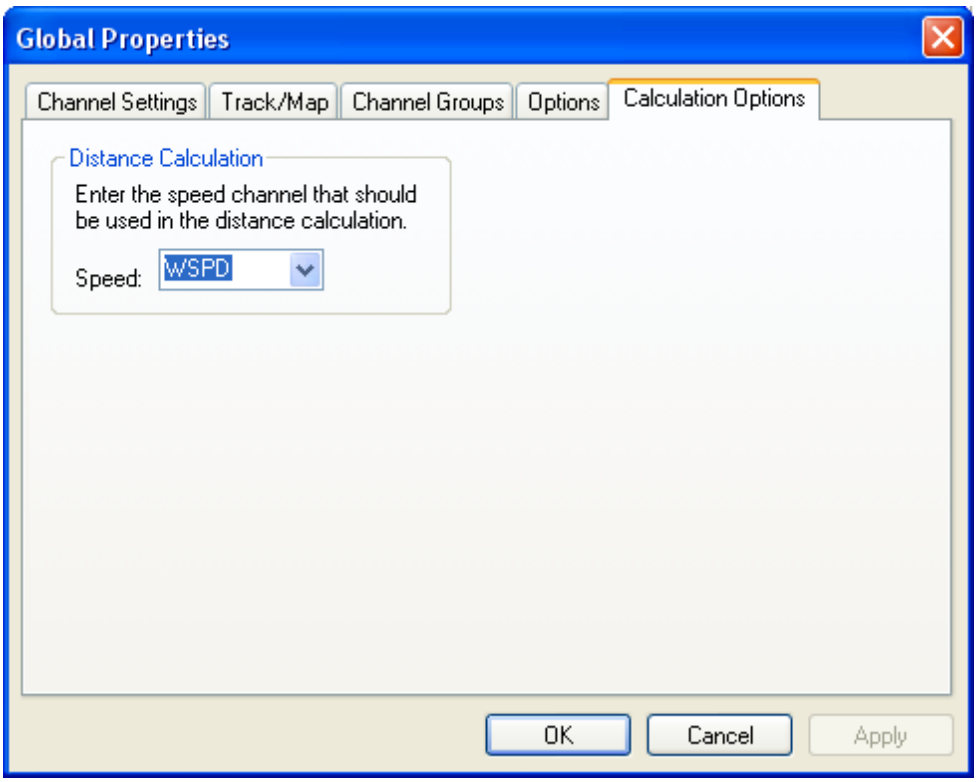
Auto-Calculations

Auto-calculations are calculations that are run on the downloaded data to create additional data channels such as DISTANCE. The default STANDARD batch calculation, which installs with DataPro, will create COMB_G, DISTANCE, G_RATIO, LONG_G and RADIUS channels. The Download Manager provides the user with options for the Post Download Operations including auto-calculations and alarms. Click the **Advanced** button on the Download Manager to access this functionality.

To select the same auto-calculation for all vehicles first make sure the **Same for all vehicles** checkbox, under the **AutoCalc** dropdown list, is checked, then select a calculation from the dropdown list.

To select a different auto-calculation for each vehicle first make sure the **Same for all vehicles** checkbox, under the **AutoCalc** dropdown list, is cleared, then select a calculation from the dropdown list cells within the vehicle grid.

Please note, in order to run user-defined calculations, a pincode with the advanced calculator feature enabled must reside on the PC for the logger from which the downloaded data was acquired.



The **DISTANCE** calculation uses the wheel speed channel. The wheel speed channel name may be different from the default **WSPD** depending on the system configuration you are using.

In order to change the wheel speed channel used in the **DISTANCE** calculation, first select the **Global Properties...** option from the **Run Data** menu, and then choose the **Calculation Options** tab where you will find a dropdown list of available wheel speed channels.

Alarms

Alarms are a special type of auto-calculation that may be run on downloaded data. The alarm calculation can provide you with a report of specific events that have occurred in the downloaded data. There are no default alarms installed with DataPro so to use this feature you will need to define an alarm. Click the **Advanced** button on the Download Manager to access this functionality.

To select the same alarm for all vehicles first make sure the **Same for all vehicles** checkbox, under the **Alarm** dropdown list, is checked, then select an alarm from the dropdown list.

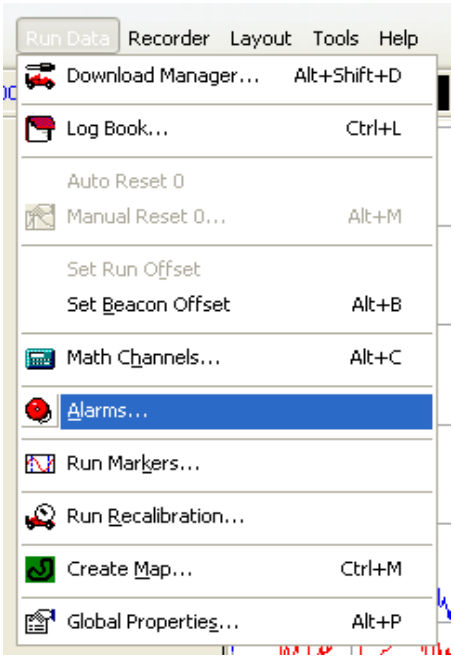
To select a different alarm for each vehicle first make sure the **Same for all vehicles** checkbox, under the **Alarm** dropdown list, is cleared, then select an alarm from the dropdown list cells within the vehicle grid.

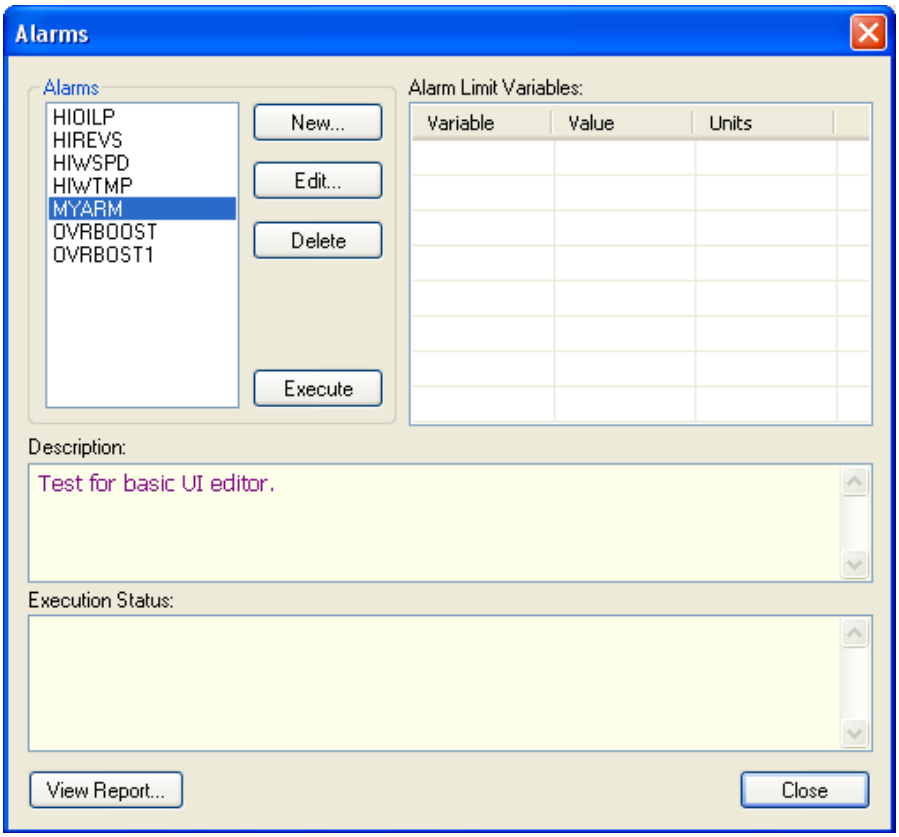
Please note, in order to run an alarm, a pincode with the advanced calculator feature enabled must reside on the PC for the logger from which the downloaded data was acquired.

For help with defining alarms and viewing alarm reports please refer to the Alarms section in this manual.

Using Alarms

The Alarms option is found on the **Run Data** menu. Simple alarms may be created using the basic alarm interface, enabled by default. However, if you wish to create more complex alarms, the advanced alarm editor can be enabled by checking the **Advanced Alarm Editor** option in the **Global Properties** dialogue.

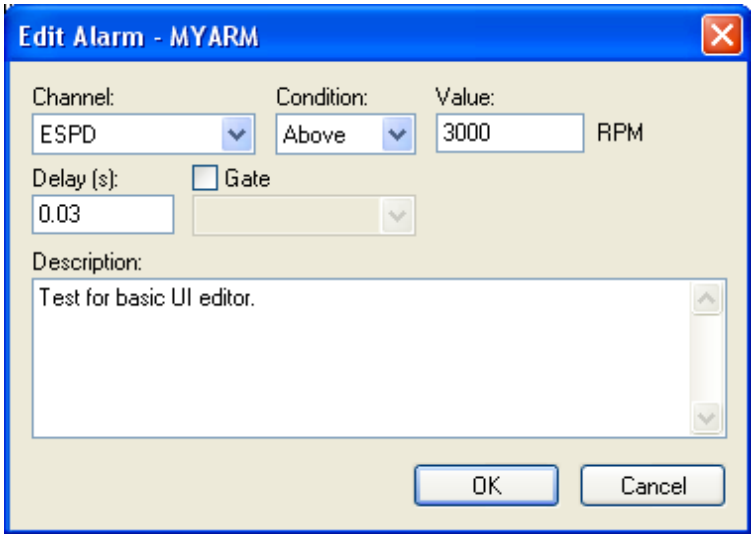




Defining an Alarm

Click the **New...** button and, when prompted, enter a unique name for the alarm. The alarm is actually a calculated channel and therefore, its name must conform to the channel name restrictions of 8 alphanumeric characters or less. The alarm name must also be unique to the other calculation names that exist on the PC.

Once a new name has been defined for the alarm, you may enter an optional description for the alarm. This user-specified description will appear in other alarm dialogues.

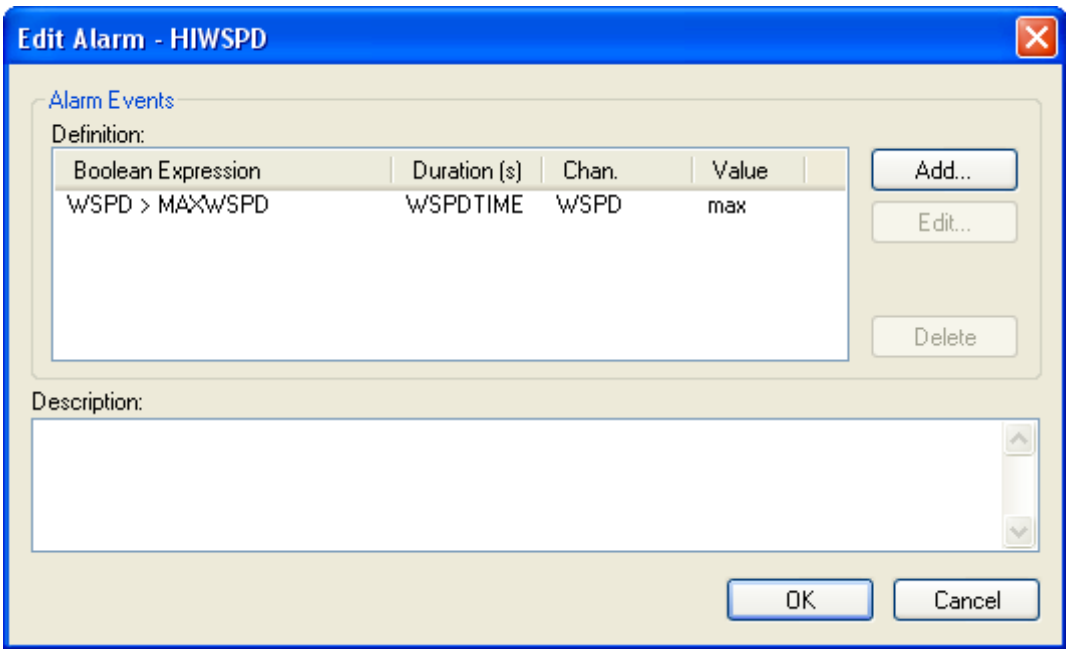


In **Basic Alarm Editor** mode, you simply select a channel, a condition and a value for the alarm. For example, here and alarm is generated if the ESPD channel data goes above 3000 RPM for at least 30ms.

You may gate an alarm by checking the Gate box and selecting another alarm from the dropdown list. In this case, the alarm will only be generated if both alarm conditions are true.

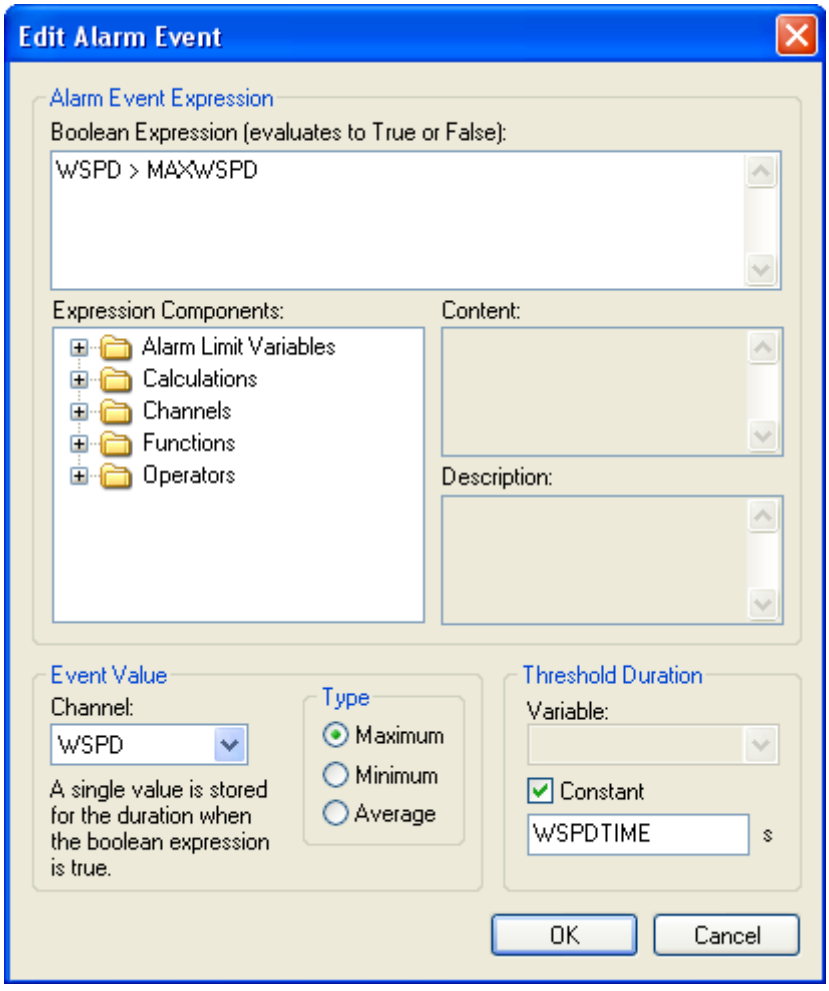
If you do not require a delay, just leave the textbox empty.

In **Advanced Alarm Editor** mode, you define one or more events for which an alarm will be generated. To do this click the **Add...** button to the right of the **Alarm Events** list. This shows the **Add New Event** dialogue.



The alarm report can provide you with a maximum, minimum or average value of a channel each time an alarm event occurs.

Select the **Event Value Channel** from the dropdown list and choose a **Maximum**, **Minimum** or **Average** type. Note, for the channel dropdown list to be populated, you must first have performed an **Upload** using **Designer** on this PC or have the run you want to process already selected. In the example shown, the maximum value of the **WSPD** channel will be stored over the period when the event expression is true.



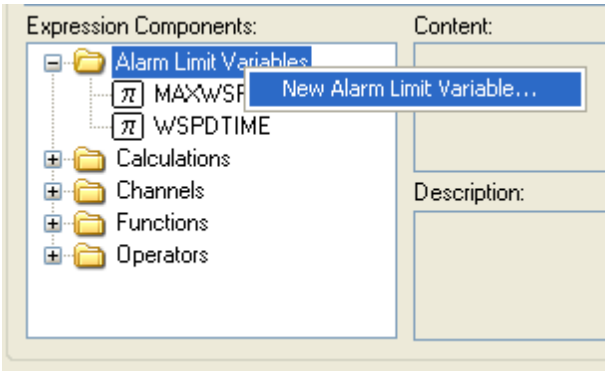
If you require the **Threshold Duration** (the time for which the **Boolean Expression** must be true before an event is generated) to be different for each vehicle then you will need to define an alarm limit global variable. Alarm Limit Global Variables are defined using the **Alarm Editor** dialogue (see Alarm Limit Global Variables). Important, these global variables need to be defined before you add an event. If the Threshold Duration is the same for all vehicles then you may check the **Constant** checkbox and enter a constant value for the threshold duration in seconds.

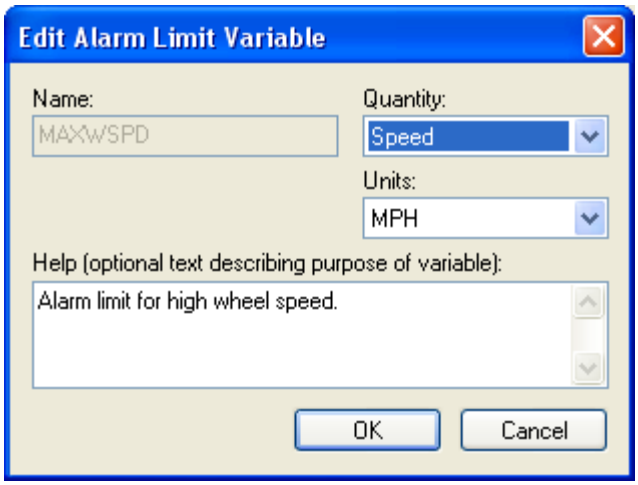
Enter an **Alarm Event Boolean Expression** using the **Formula Components** tree control to help you. In the above example, the **WSPD** channel value must be greater than the **MAXWSPD** alarm limit global variable the specified **WSPDTIME** duration before an alarm event is generated.

Defining Alarm Limit Global Variables

Right-click on the **Alarm Limit Variables** folder icon in the **Expression Components** tree. Then select **New Alarm Limit Variable**... option from the popup menu. This will display the **Add Alarm Limit Variable** dialogue.

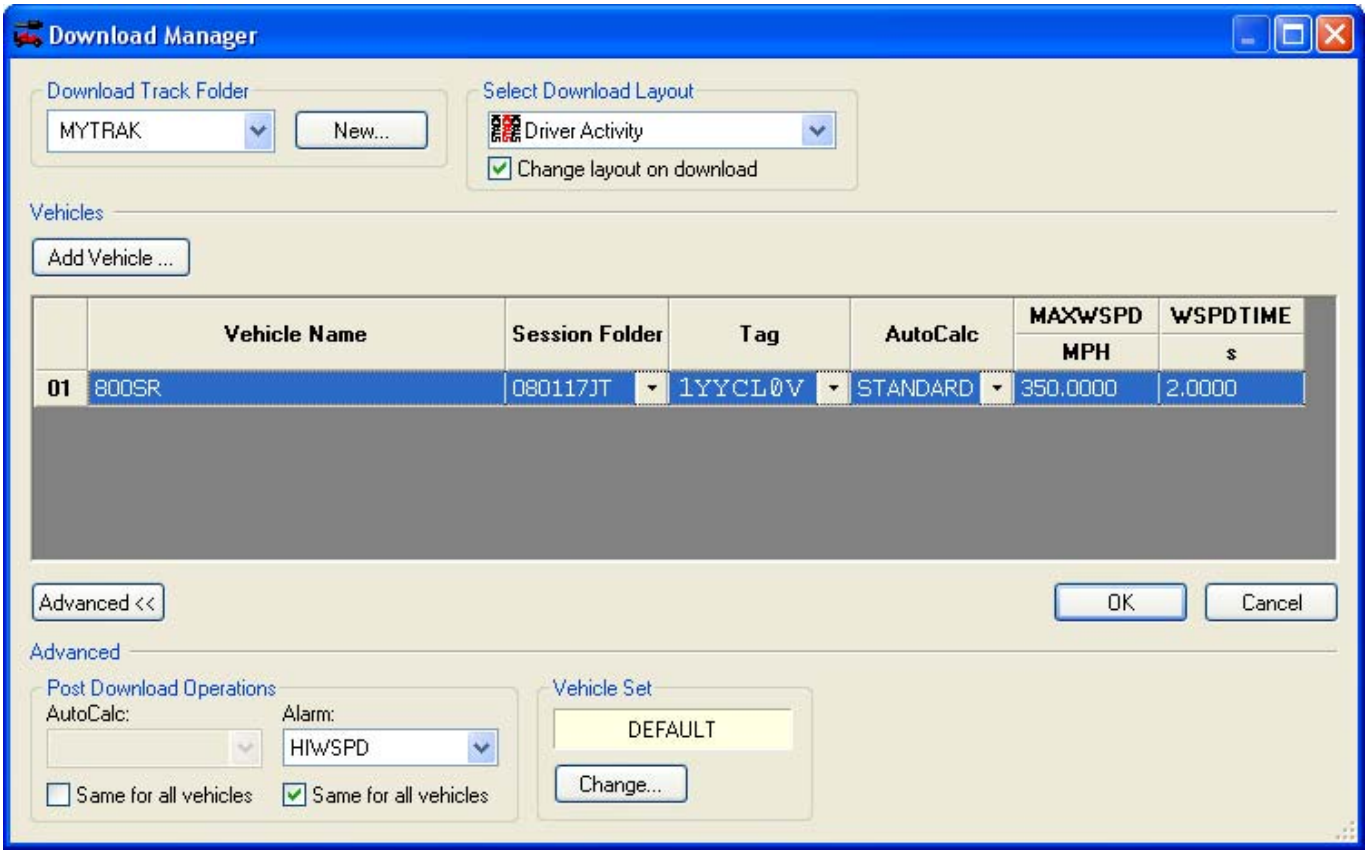
Enter a unique **Name** for the variable, this must be different from any calculated or recorded channel names. Select the limit **Quantity** and **Units** from the dropdown lists. You may also enter some **Help** text for the variable that will be displayed in various alarm dialogues. Then click the **OK** button.



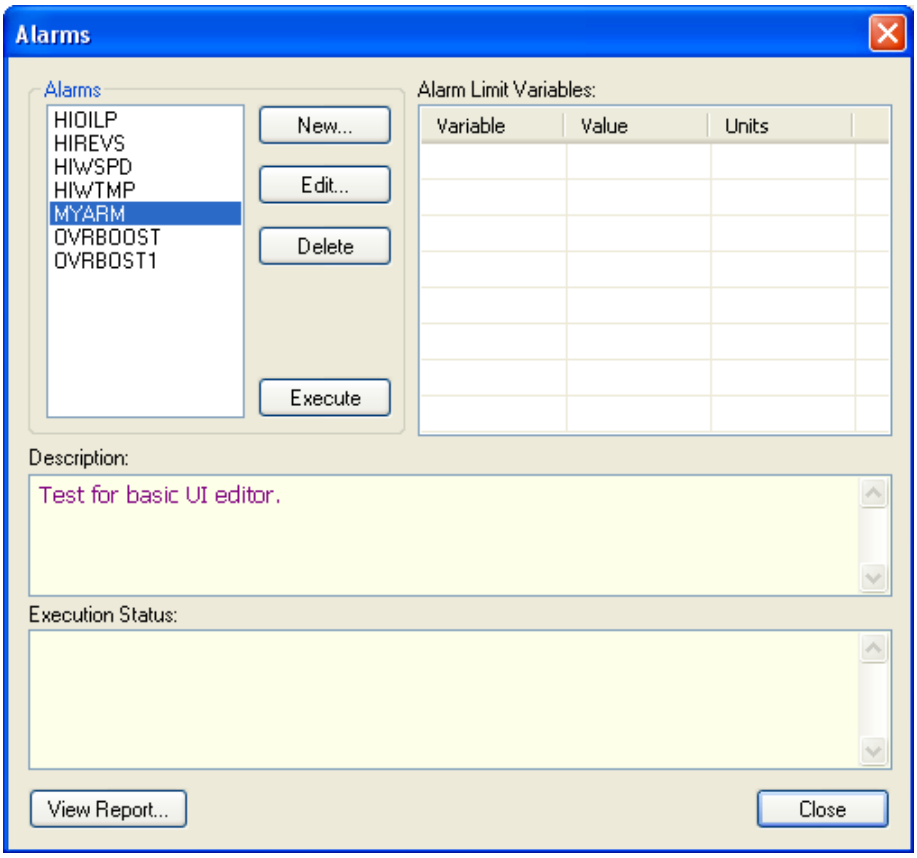


Setting Alarm Limit Variables

Alarm limit global variables are set using the **Download Manager**. Click the **Advanced** button. Under the **Post-Download Operations** section select the required **Alarm** from the dropdown list. The Manager dialogue will expand its vehicle grid to show the alarm limit global variable columns.



You may now double-click on the variable cells within the grid to set values.



Executing Alarms

You may also manually execute an alarm. Select the run for which you want to execute an alarm using DataPro's Run Selector control.

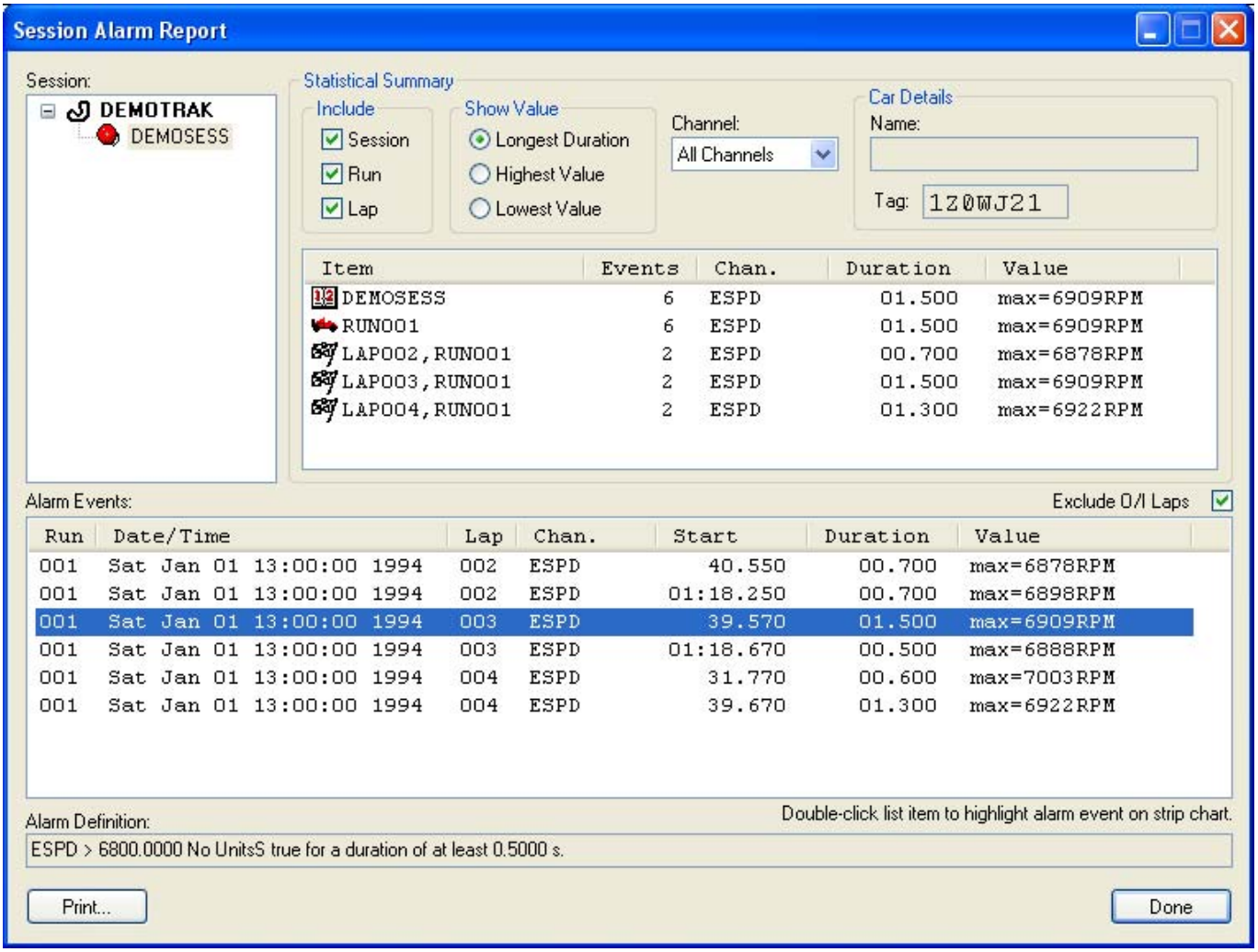
Select the alarm from the list of available alarms.

Then, if global variables are being used within the alarm definition, set the alarm limit global variable values by double-clicking the cells in the grid.

To execute the alarm, click the **Execute** button.

Viewing Alarm Reports

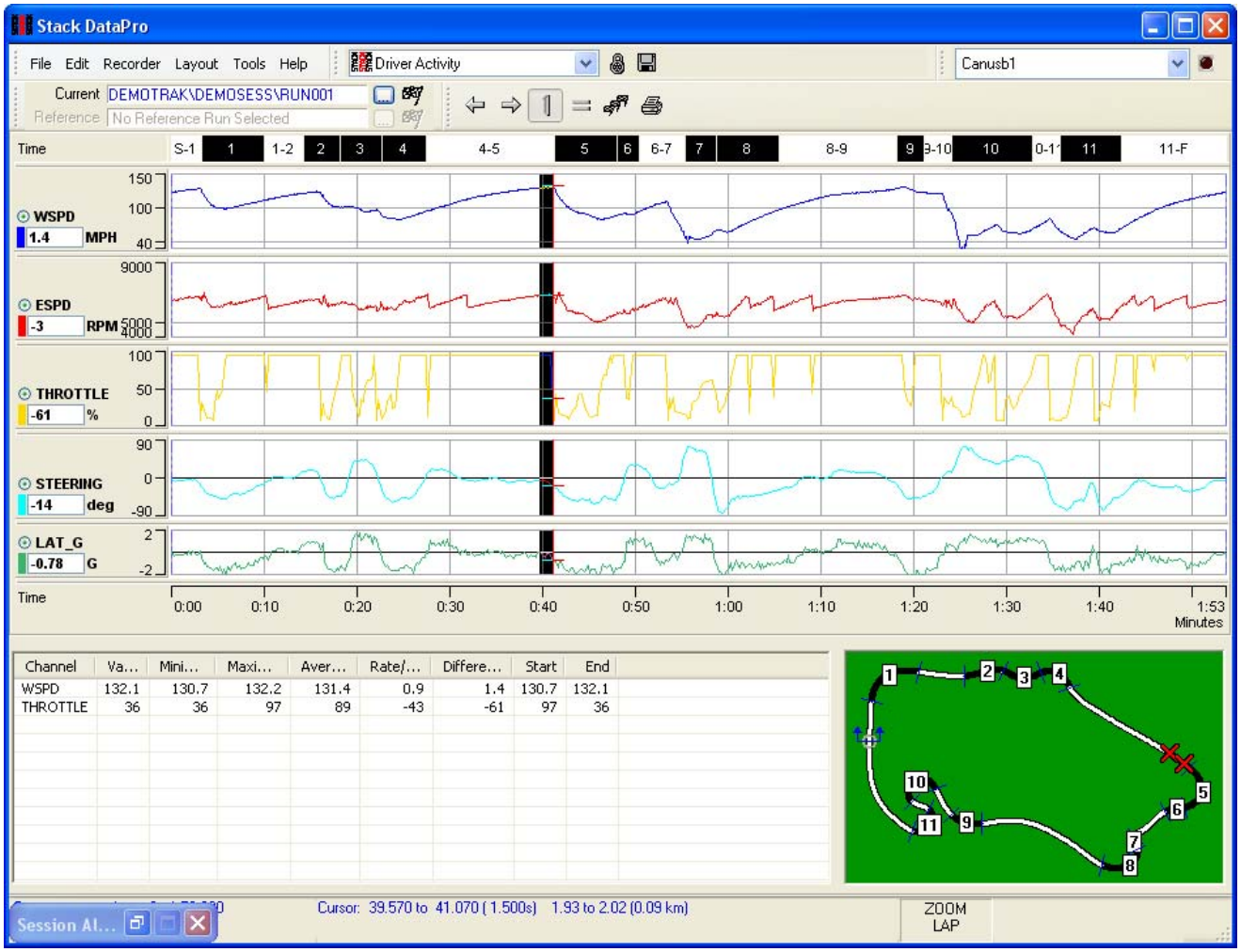
Alarm reports are viewed by clicking the **View Report...** button.

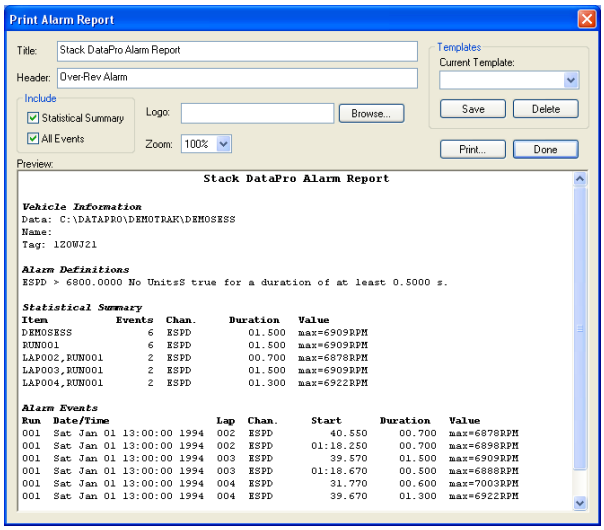


Use the **Session** tree control to select the track and session you are interested in. If a session contains data that has an associated alarm event, the session icon is shown as an alarm bell .

Use the settings in the **Statistical Summary** to show more or less information about the alarm events that have occurred.

Double-click an **Alarm Event** list item to have it automatically selected and highlighted within your DataPro analysis layout. The Session Alarm Report window is minimised to allow easy viewing of a strip chart as shown in the image below.





Printing an Alarm Report

Click the **Print...** button on the **Alarm Report** dialogue.

Here you may customise the report by adding a report title, header and logo bitmap to the printed document. The changes you have made can be saved in a template to be used on other alarm reports.

Run Selector Context Menu

Additional Selected Run Information

Right-click on the Run Selector toolbar to show a context menu.

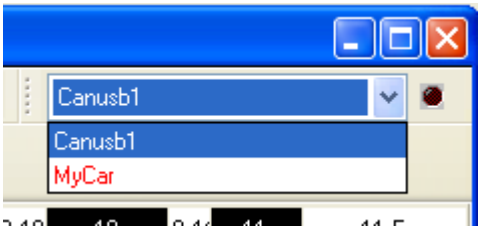


Selecting either of these options will show or hide additional selected run information such as the vehicle name registered with the logger that was used to acquire the currently selected run.

Active Connection Dropdown List

Selecting a Logger Connection

Both DataPro and DataPro Designer have an **Active Connection** dropdown list within their respective toolbars. All the Recorder menu options in DataPro require you to have an active connection selected in this dropdown before communication can take place. This also applies to the Calibrate, Chat and Upload options within DataPro Designer.



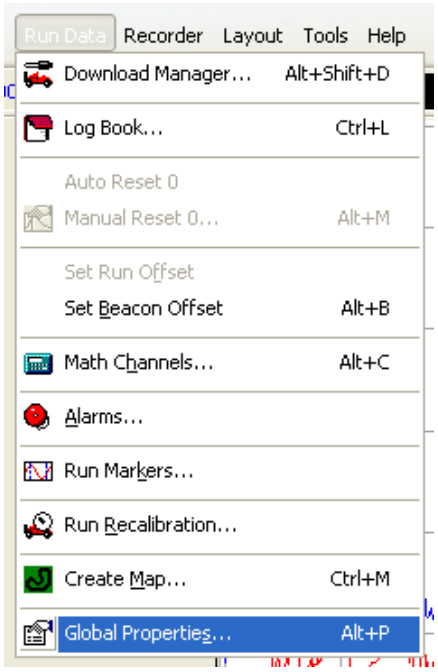
On standard systems, when the CAN USB adapter is plugged into the PC, the active connection should show **Canusb1**.

On systems, where wireless recorders are being used, the dropdown list will also show the vehicle names of the wireless recorders you have registered in the **Download Manager**. Wireless recorders that have been registered but are currently out of range are shown in red on this dropdown list and cannot be selected until the list item becomes black showing that the wireless recorder is within range.

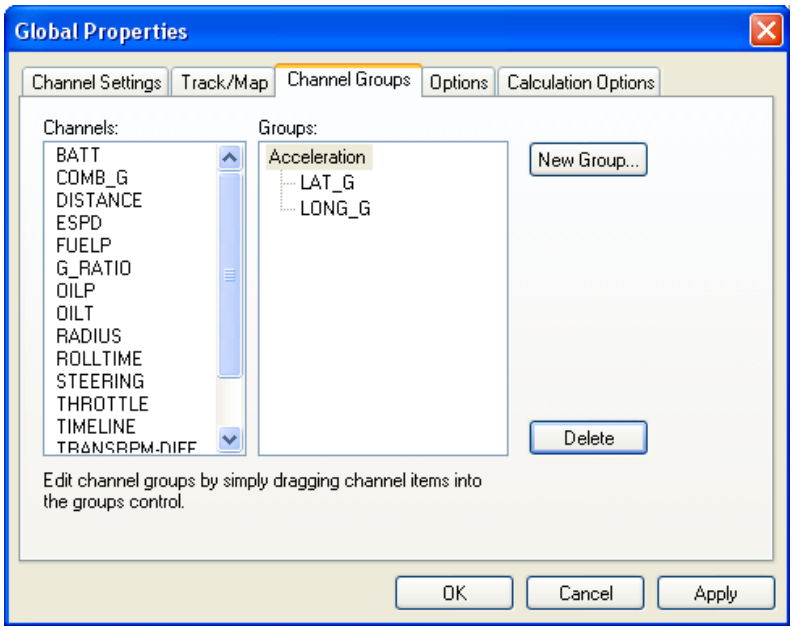
Where only the CAN USB interface is being used, the active connection dropdown list may be hidden by unchecking the **Show Active Connection** option in **Global Properties**.

Channel Groups

Using Channel Groups

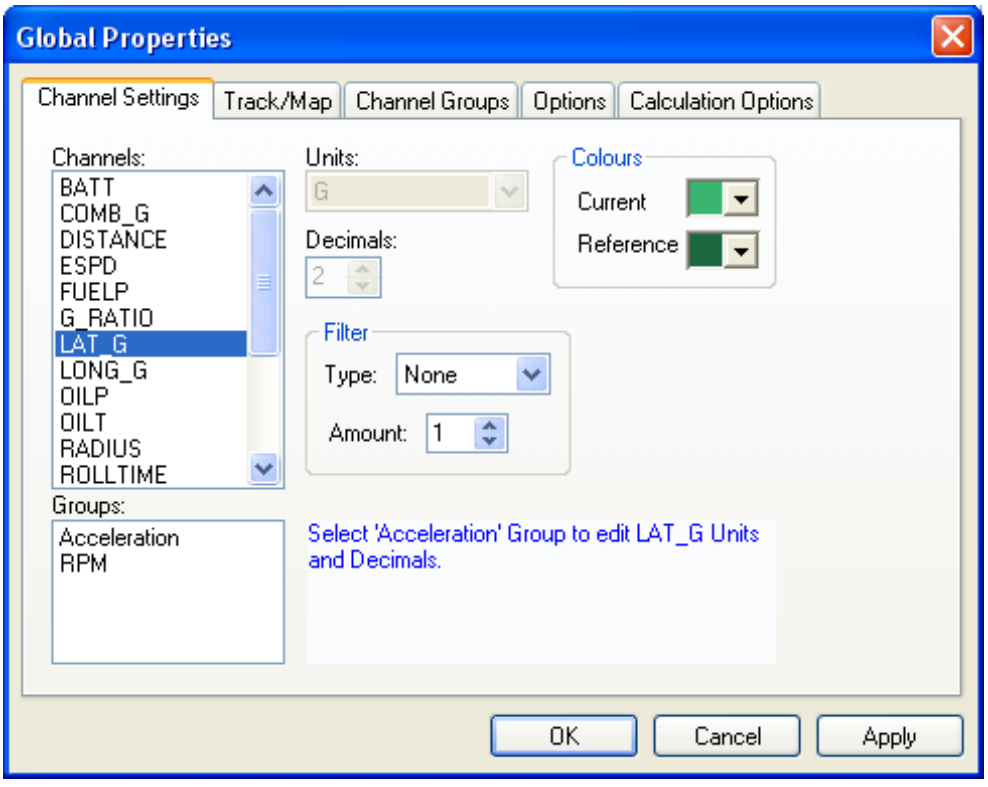


The Channel Groups feature allows you to set the units, decimal places and y-axis range of a group of channels. To configure channel groups, select the **Global Properties** option from the **Run Data** menu. Then select the **Channel Groups** tab.

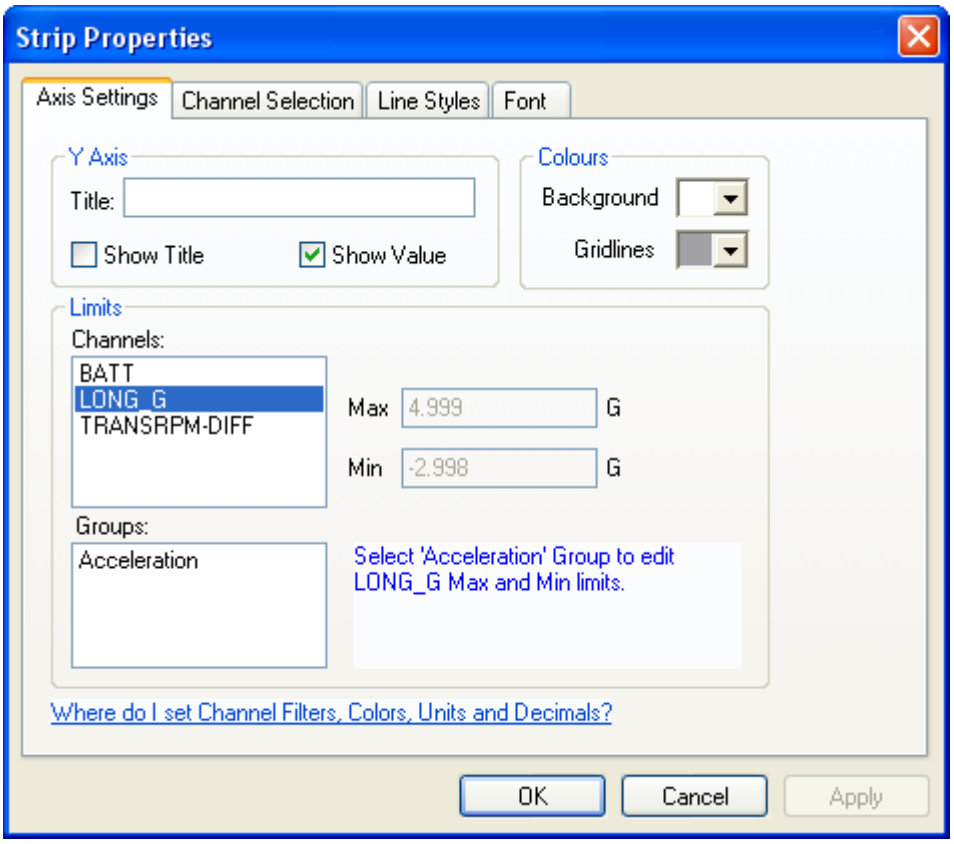


Create a new group by clicking the **New Group...** button and then entering a unique name for the group.

Add data channels to a group by dragging the channel name from the left list to the required group on the right. In the above example, an Acceleration group has been created and the LAT_G and LONG_G are members of this group.



Now when setting channel properties such as units or decimal places, you would select the Channel Group from the Groups list.

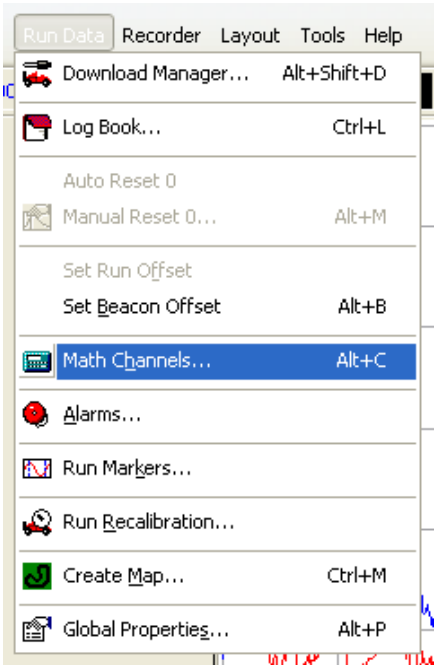


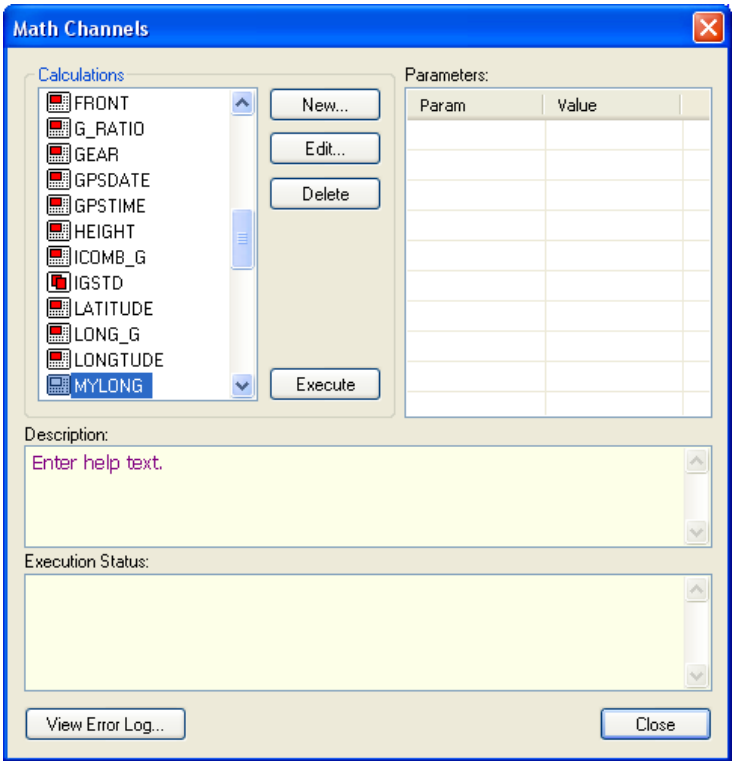
Likewise, when you set the y-axis limits for a Strip Chart, just select the group name from the Groups list.

Math Channels

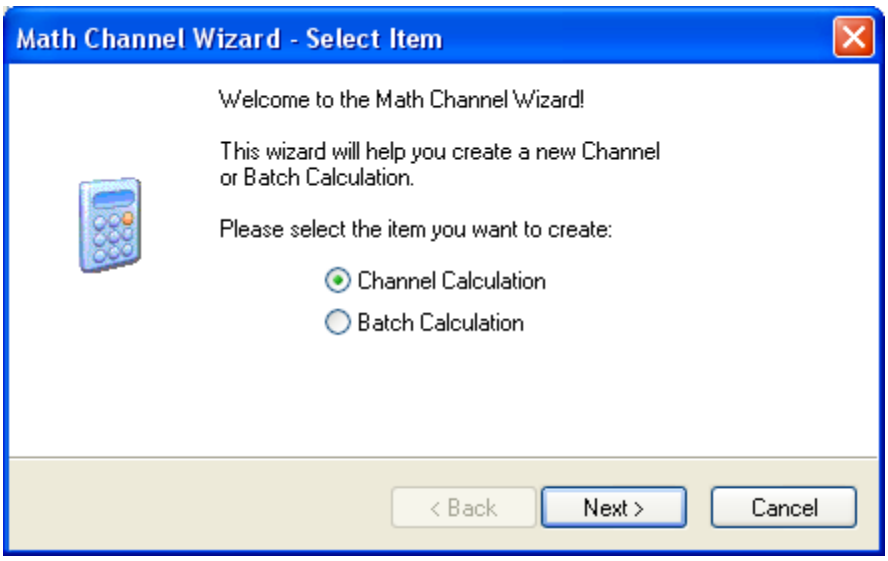
Creating a Math Channel

Math channels are data channels created from recorded data by applying a mathematical formula. These channels can be selected and displayed on layouts just the same as recorded data channels. To create a math channel, select the **Math Channels...** option from the **Run Data** menu.





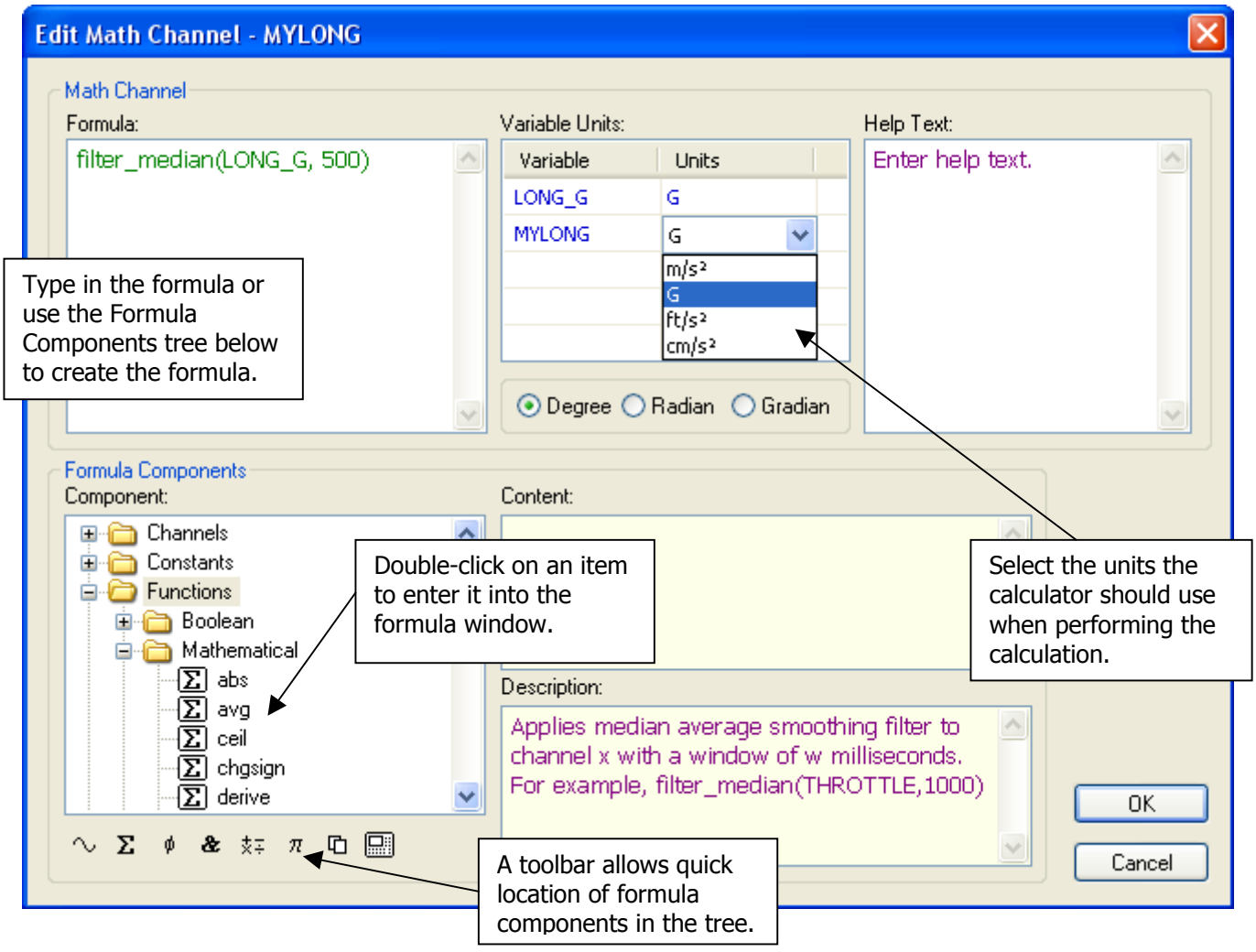
Then click the **New...** button. This will display the Math Channel Wizard.



A batch calculation allows you to run a number of calculations, one after the other.

Follow the instructions in the wizard to create a new math channel. The wizard will ask for a unique name to associate to the channel and the physical quantity the data channel is measured in.

Once, you have completed the wizard, the math channel editor is displayed.



Executing a Math Channel

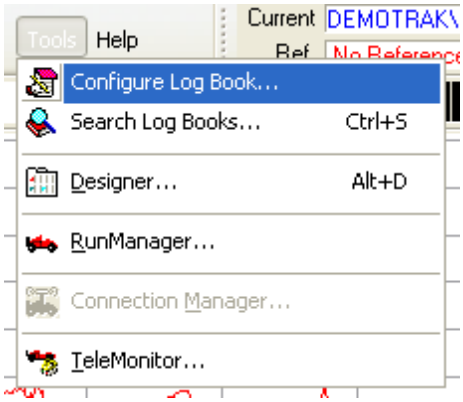
For math channel data to be available, you must first execute the calculation. Select the run for which you want the math channel, then click the **Execute** button in the **Math Channels** dialogue. To have your math channel calculation(s) executed automatically upon data download, please see the section on **Auto-Calculations** in this manual.

Log Book

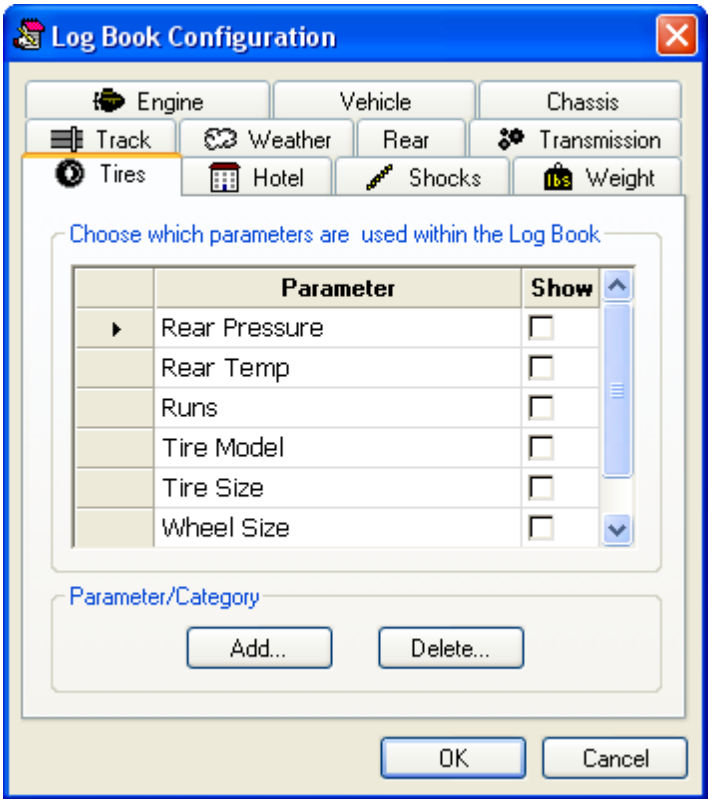
Configuring the Log Book Parameters

The Log Book is a powerful relational database that allows you to store, search and compare information about vehicles, races, tracks, weather conditions or any other parameter you wish to record and associate with recorded data.

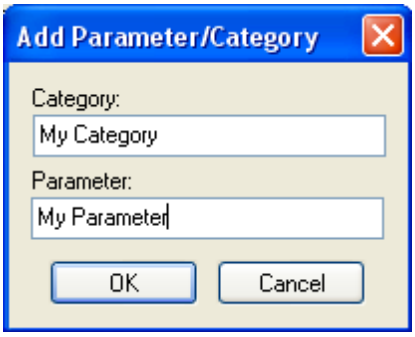
Select the **Configure Log Book...** option from the **Tools** menu.



The **Log Book Configuration** dialogue allows you to customise the Log Book by adding parameters and categories of your choice.



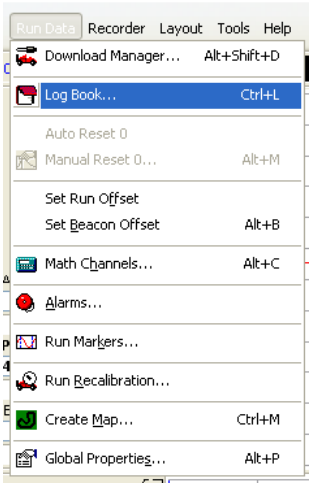
Click the **Add...** button to add a **Category** or **Parameter** to the Log Book.



Similarly, click the **Delete...** button to remove categories and/or parameters.

To hide or show parameters in the Log Book, select the required Category tab then check or uncheck the parameter in the **Show** column.

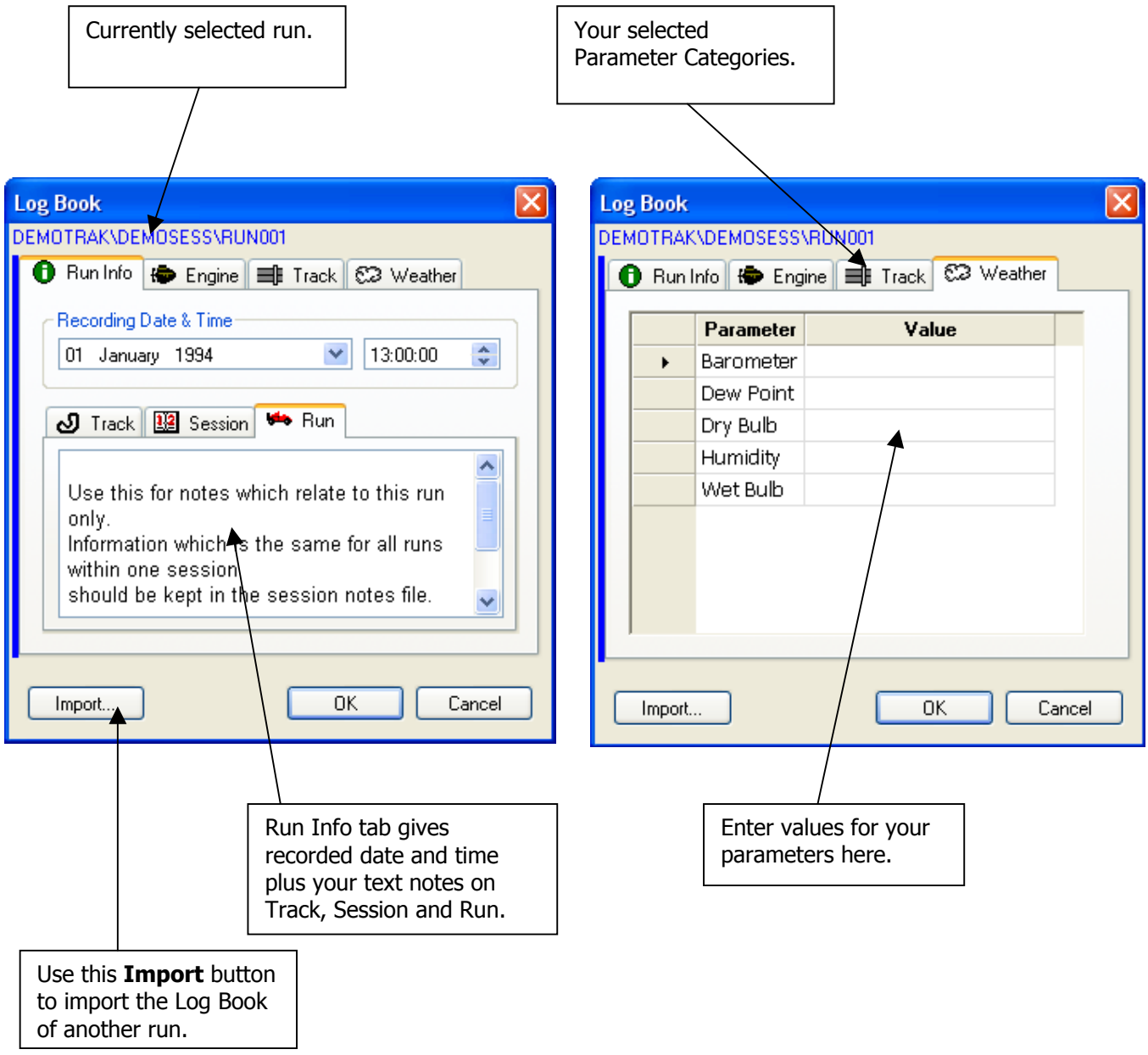
Viewing the Log Book



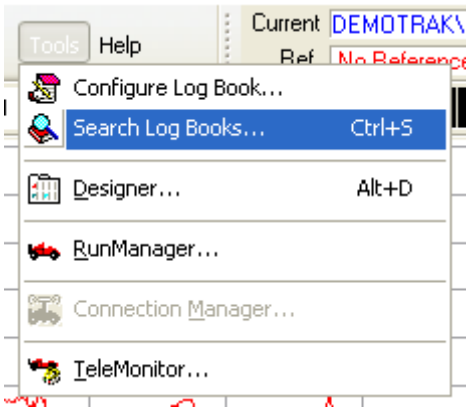
The Log Book is fully integrated into the DataPro software. The Log Book may be selected as a pane within any layout. The Log Book is also displayed within the Run Selector dialogue and the RunManager application to help you find the run you're looking for.

To edit the Log Book, select the **Log Book...** option from the **Run Data** menu.

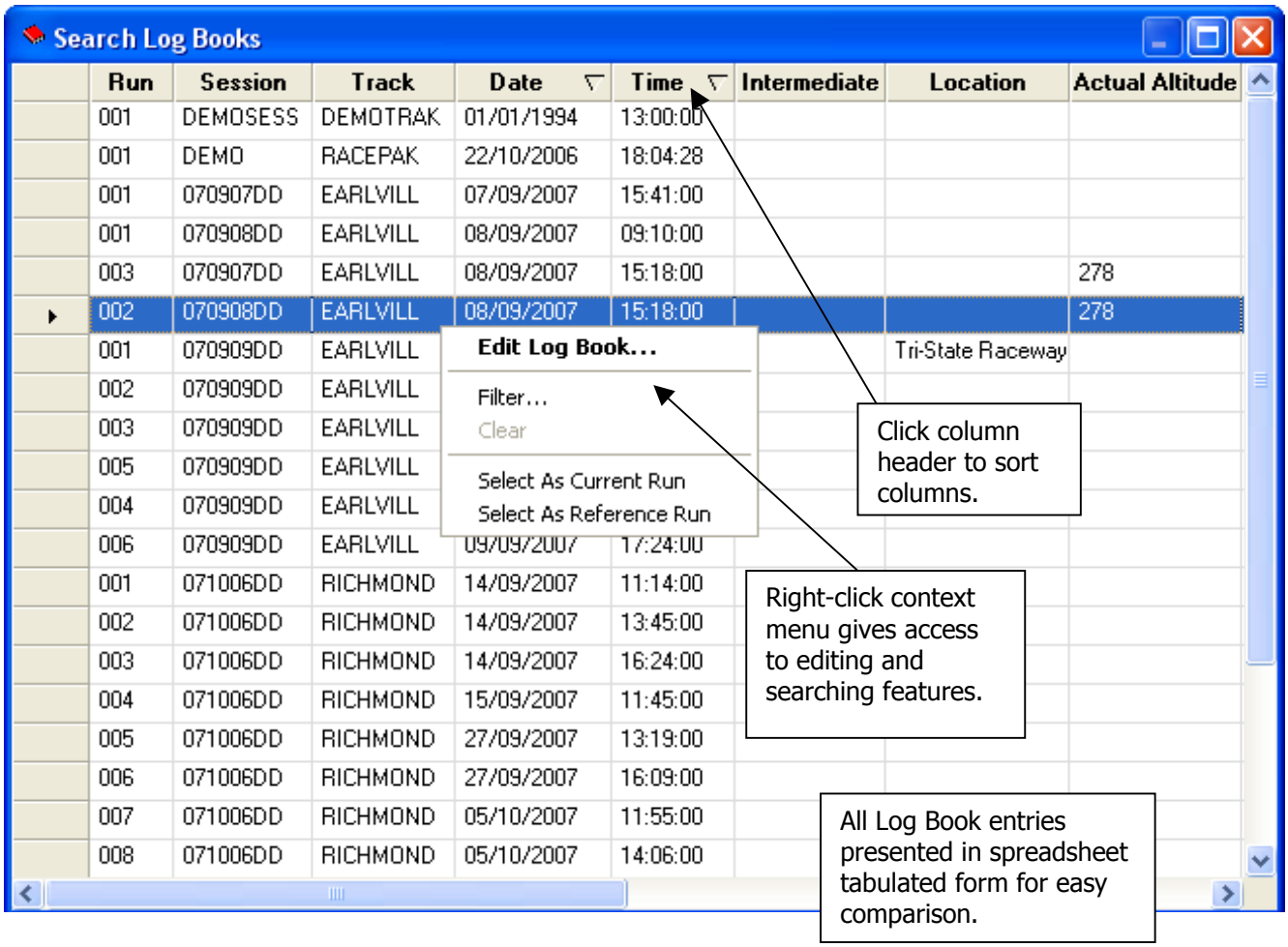
Note, the **Options** tab of the **Global Properties** dialogue also allows you to have the Log Book automatically displayed at data download.



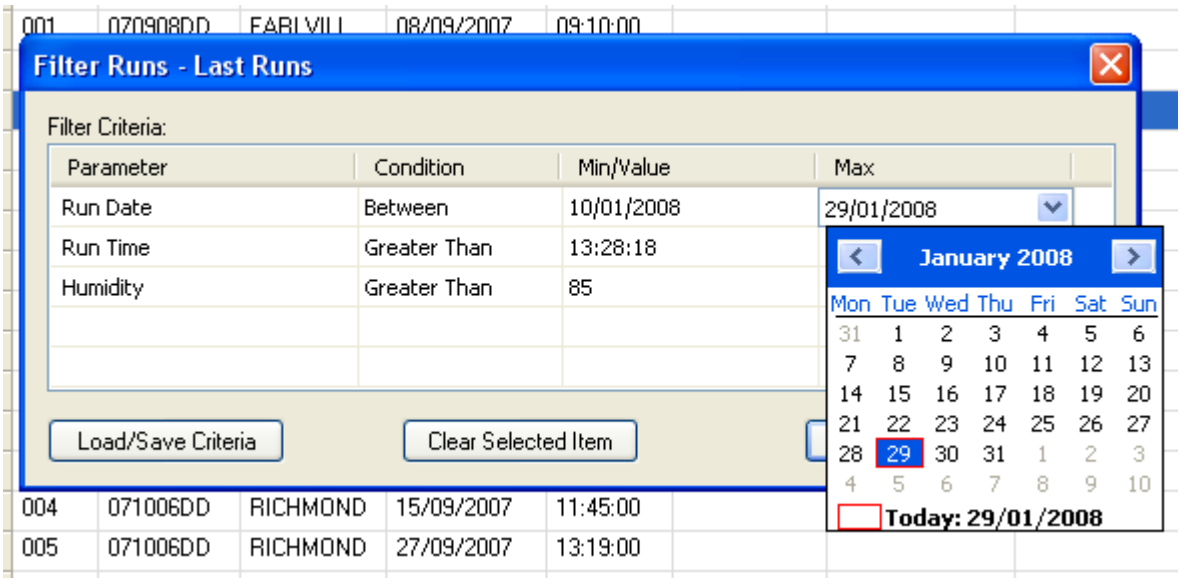
Comparing and Searching Log Book Data



Select the **Search Log Books...** option from the **Tools** menu to access the Search & Compare dialogue.



Right-click any row in the spreadsheet to display the popup menu. For searching, select the **Filter...** menu item.

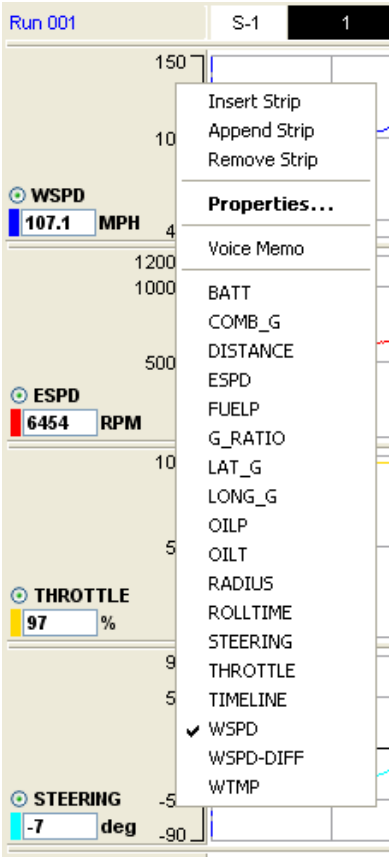


A maximum of five filter conditions can be set up on any of the Log Book parameters. For popular searches, the filter criteria can be saved for easy access later.

Hints, Tips & Tricks

Shortcut for Adding Channels to a Strip Chart

Right-click the Strip Chart Y-axis, then select from the list of channels in the popup menu. You may select or deselect channels from this list.



Shortcut to Strip Properties

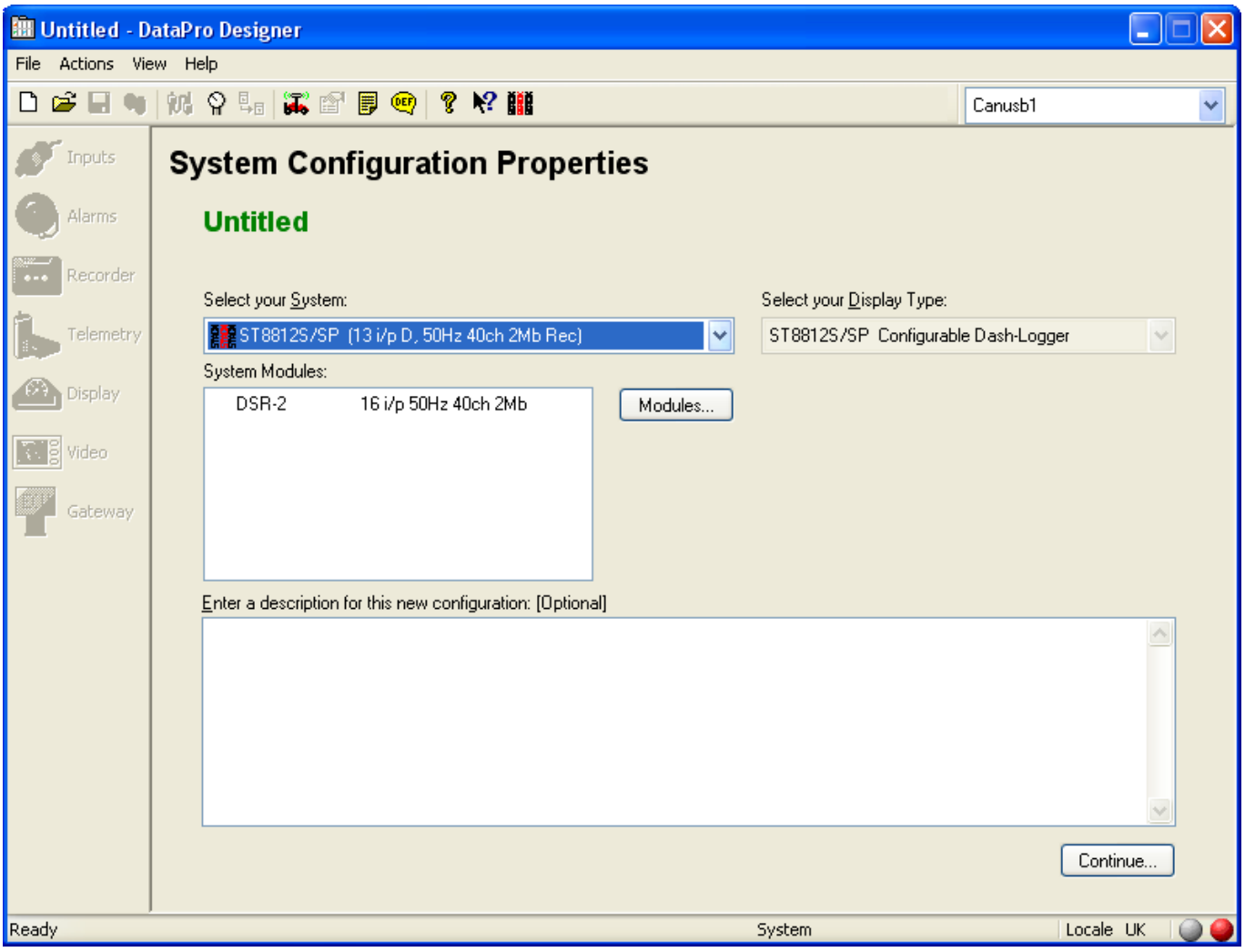
Right clicking on the channel name or value box within the Y-axis of the Strip Chart will display the Strip Properties dialogue.

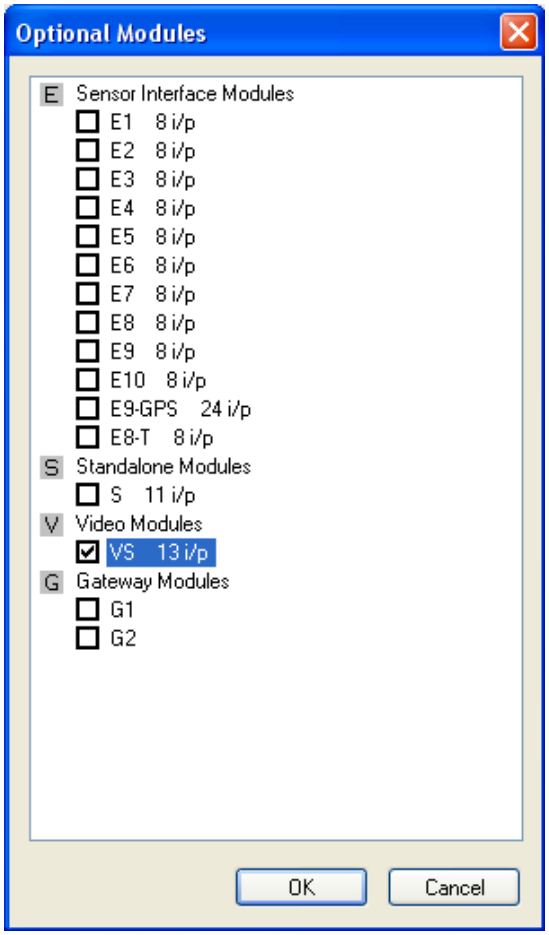
DataPro Designer Application

Optional Modules

Adding Optional Modules to a Configuration

A number of optional modules may be added to a standard system configuration in Designer. For example, to build a configuration that uses a VS (Video Sensor) module with a ST8812S Configurable Dash-Logger, you would first select the **ST8812S/SP Configurable Dash-Logger** using the **System** dropdown list in the **Properties** screen.

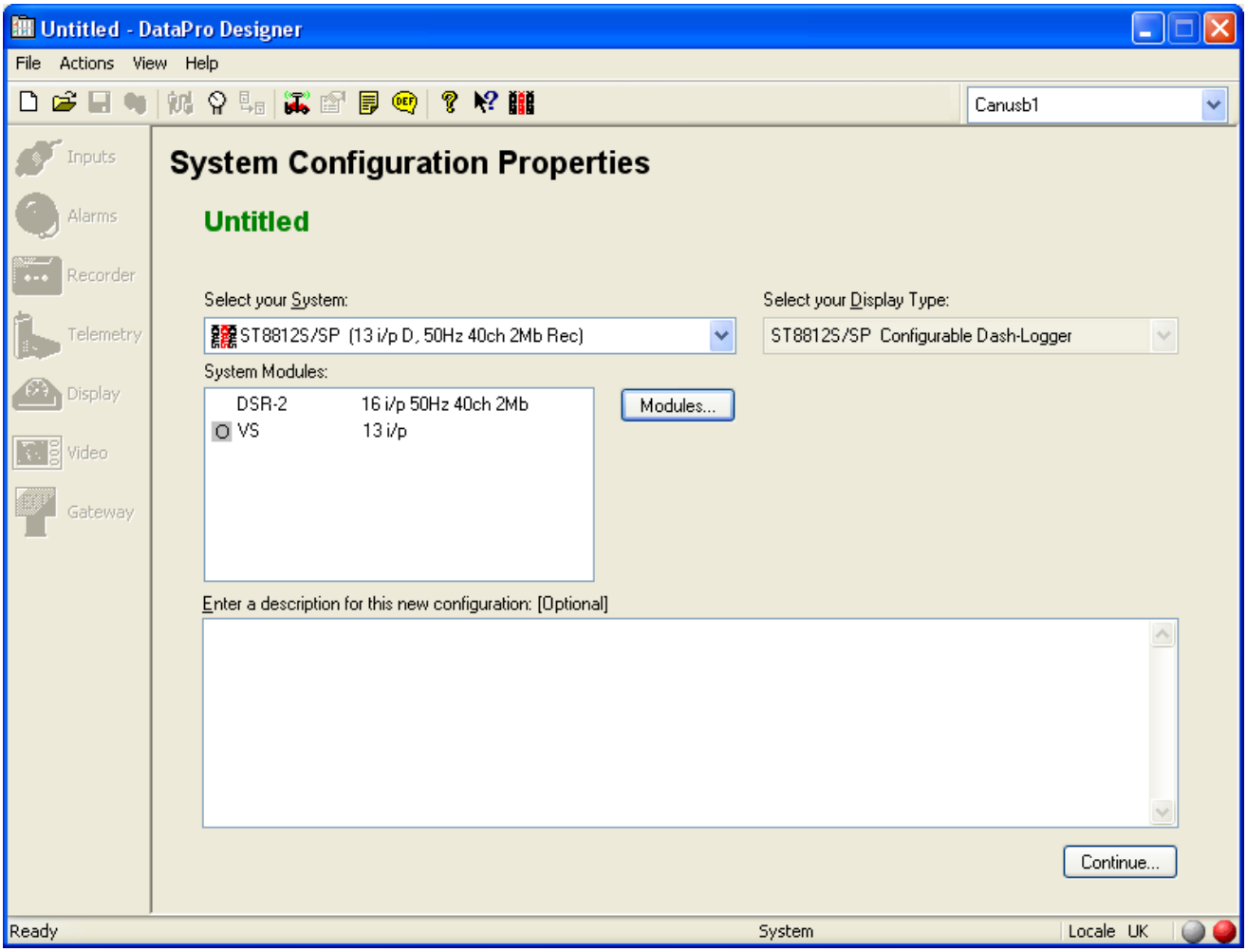




The next step would be to click the **Modules...** button. This displays the **Optional Modules** dialogue.

Select the **VS** module under **Video Modules** within the **Optional Modules** dialogue and then click **OK**.

The optional VS module is shown with an O icon in the **System Modules** list on the **Properties** screen.

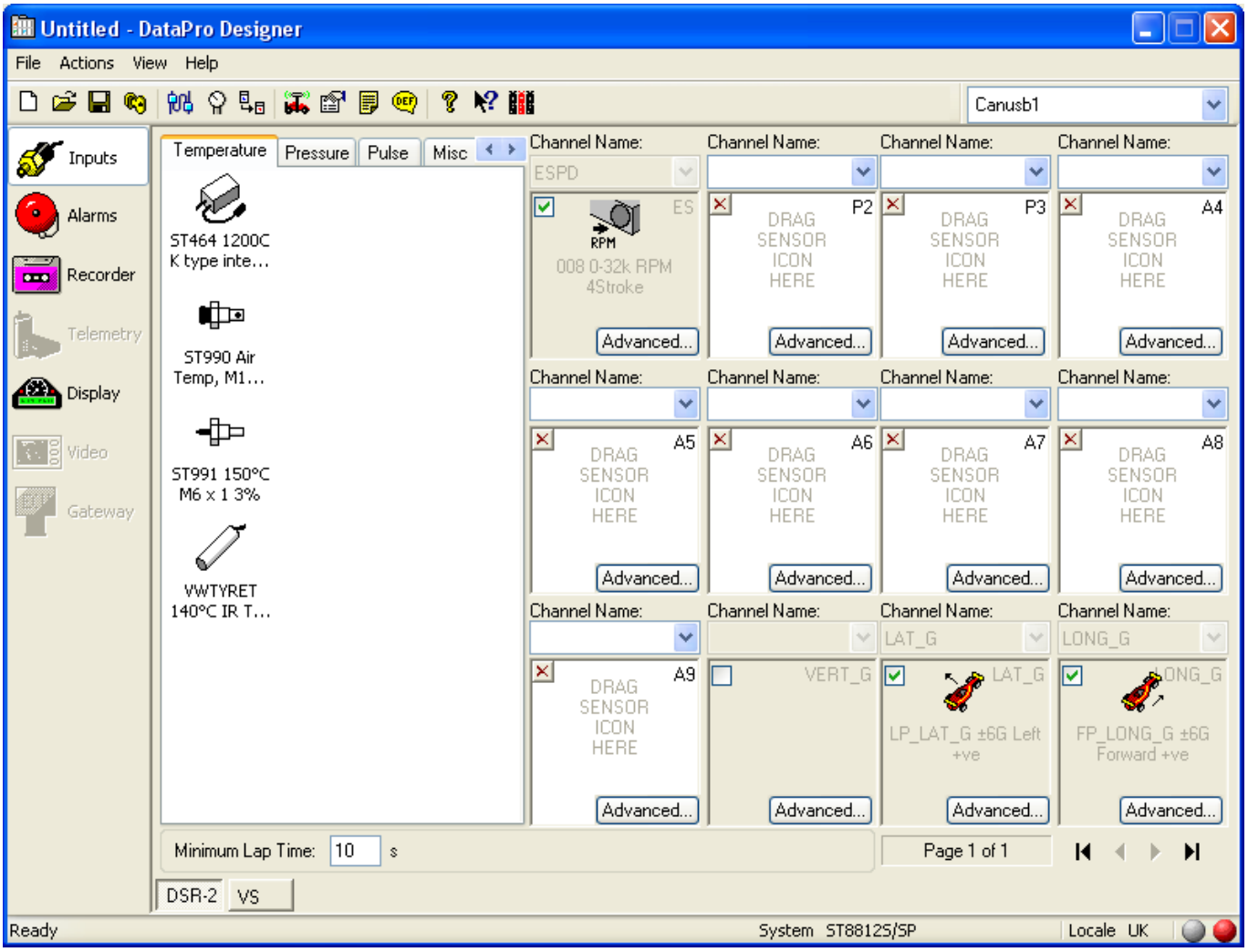


Internal G Sensors

Enabling the internal G sensors

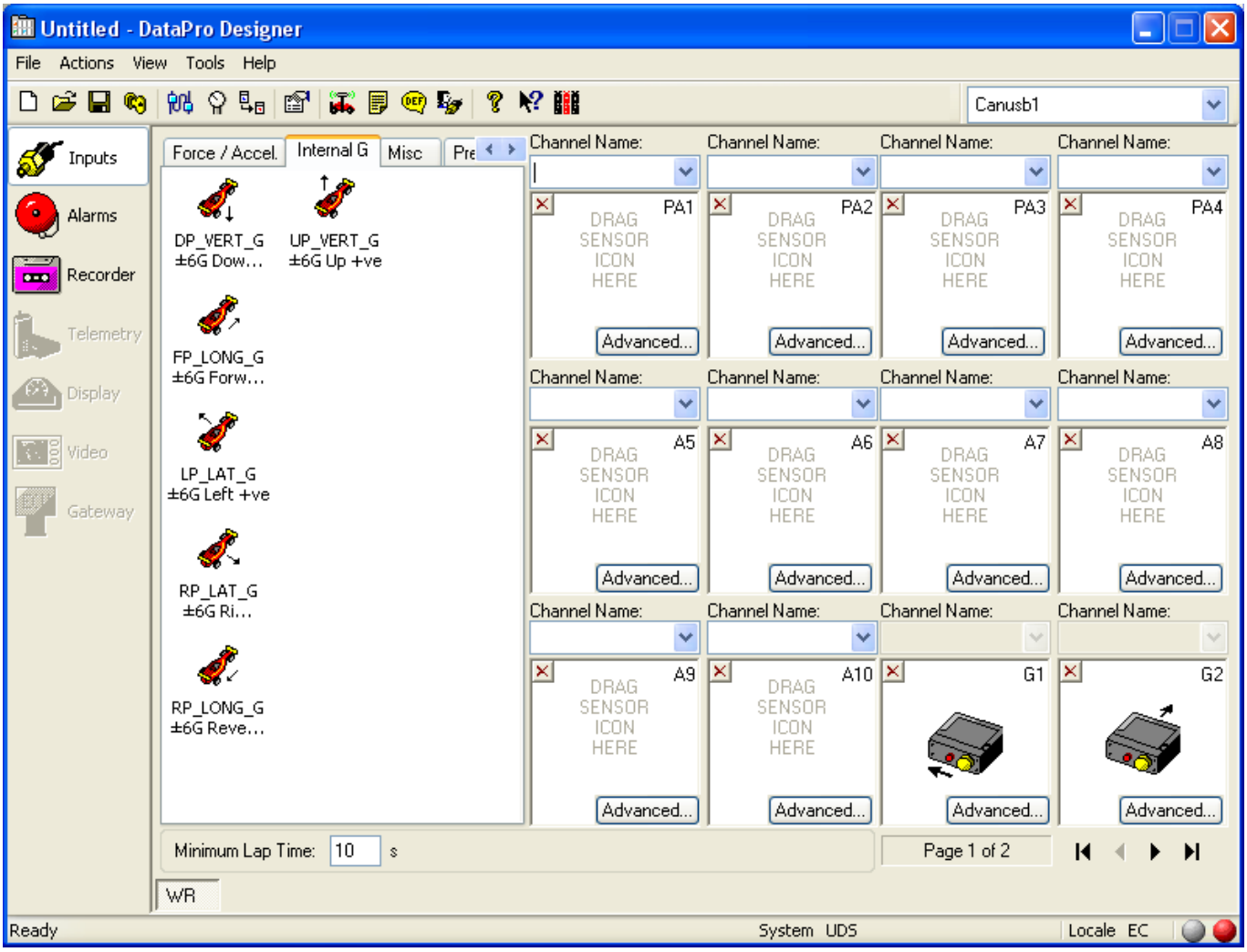
The above example has internal accelerometer devices both in the dash-logger and the VS module. In both these modules the internal G sensors have been fixed to specific planes. Please note, it is not possible to create a configuration where all G sensors in both modules have been enabled because the modules share the same channel names.

For example, to enable LAT_G and LONG_G on the dash-logger simply select the checkboxes on the LAT_G and LONG_G inputs as shown.



Configuring Internal G Sensors on a Wireless Recorder

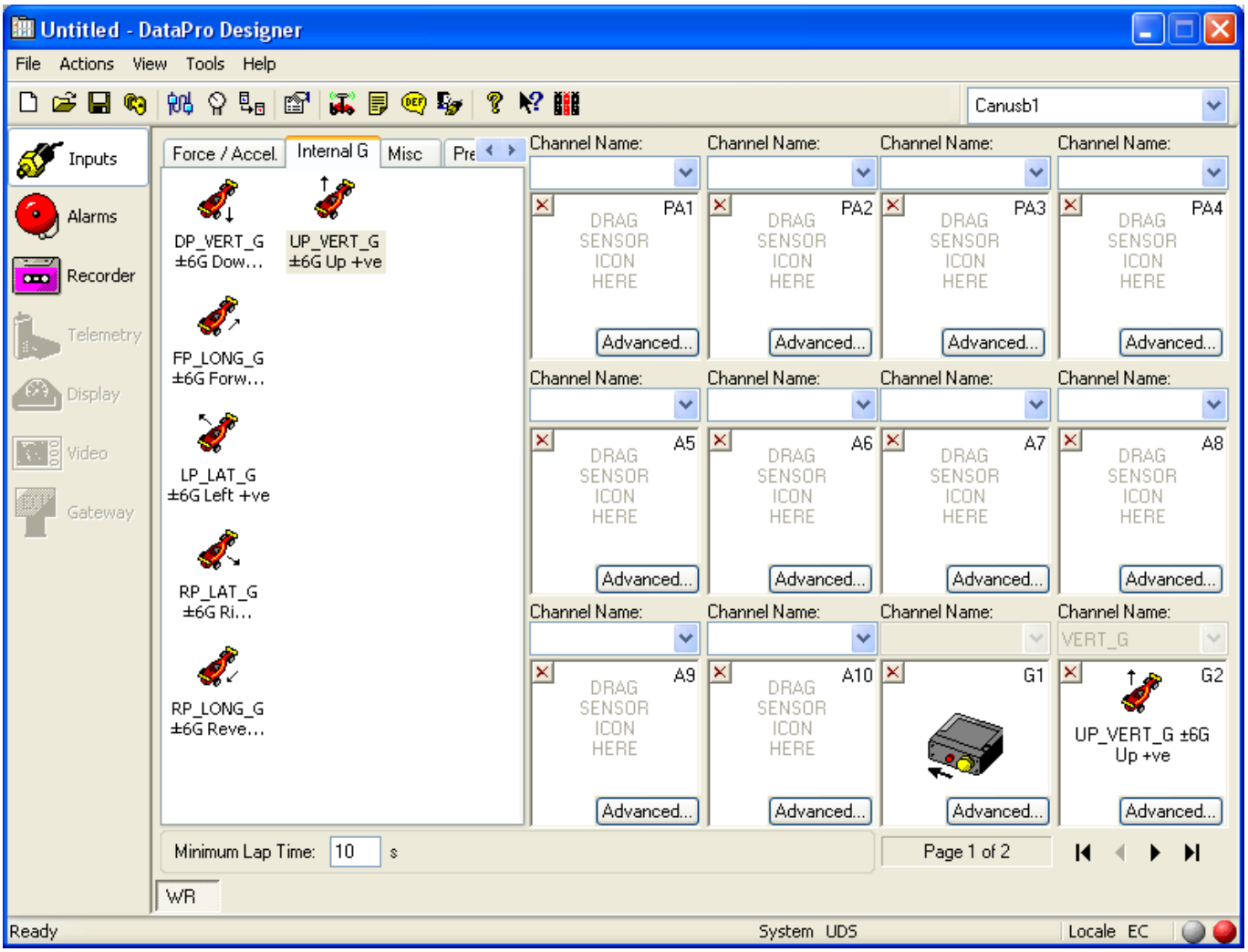
The internal G sensors within a WR (Wireless Recorder) module need to be configured according to the orientation of the module mounted within the vehicle. The following screen capture shows the **Inputs** page of the WR module.



Select the **Internal G** tab to show the available internal G sensors. The graphic within the input boxes of **G1**, **G2** and **G3** show the direction of positive G for each sensing plane in relation to the connection sockets on the module.

First, look at how the module has been mounted in the vehicle and then these graphics to determine whether G1 is sensing lateral, longitudinal or vertical acceleration. Then drag the appropriate car icon onto the G1 input box so that the arrow on the car icon points the same way as the arrow on the module icon. Then do the same for inputs G2 and G3.

In the example below, the WR module has been mounted within the vehicle so that the connectors face the ground. Hence, vertical acceleration is being sensed by G2. Thus, to sense vertical G, with positive G being output for upward movements, the UP_VERT_G sensor has been dragged onto the G2 input.



Important: internal G sensors should be calibrated in the same way that external sensors are calibrated, using the **Calibrate...** option on the **Action** menu within Designer.

User Defined System Configurations

Defining a Custom Configuration

If the system you have purchased does not appear as a standard system within the **System** dropdown list then you may create a user-defined configuration.

First select the **UDS User Defined System** from the **System** dropdown list.

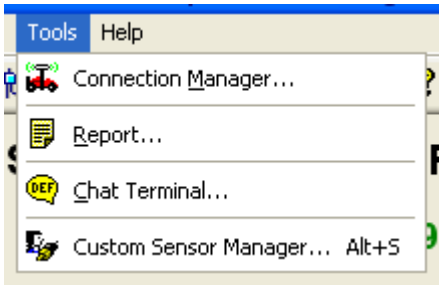
Next, click the **Modules...** button on the **Properties** screen to show the **Optional Modules** dialogue and select the appropriate modules within your system.

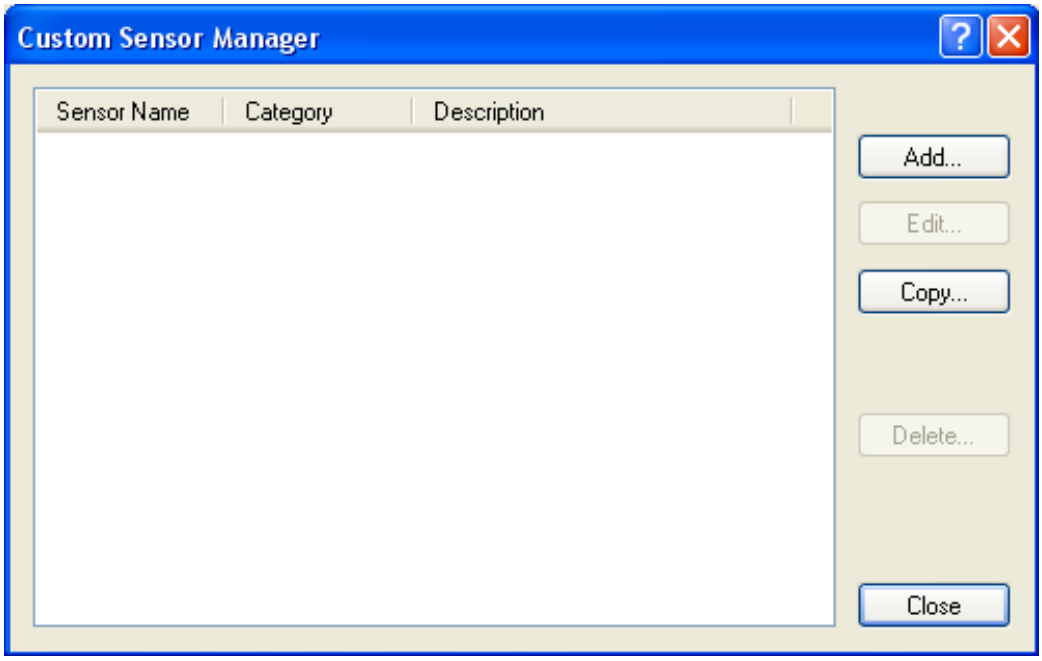
Custom Sensors

Creating Custom Sensors for Designer

Select the Custom Sensor Manager option either through the toolbar icon or the Tools menu.

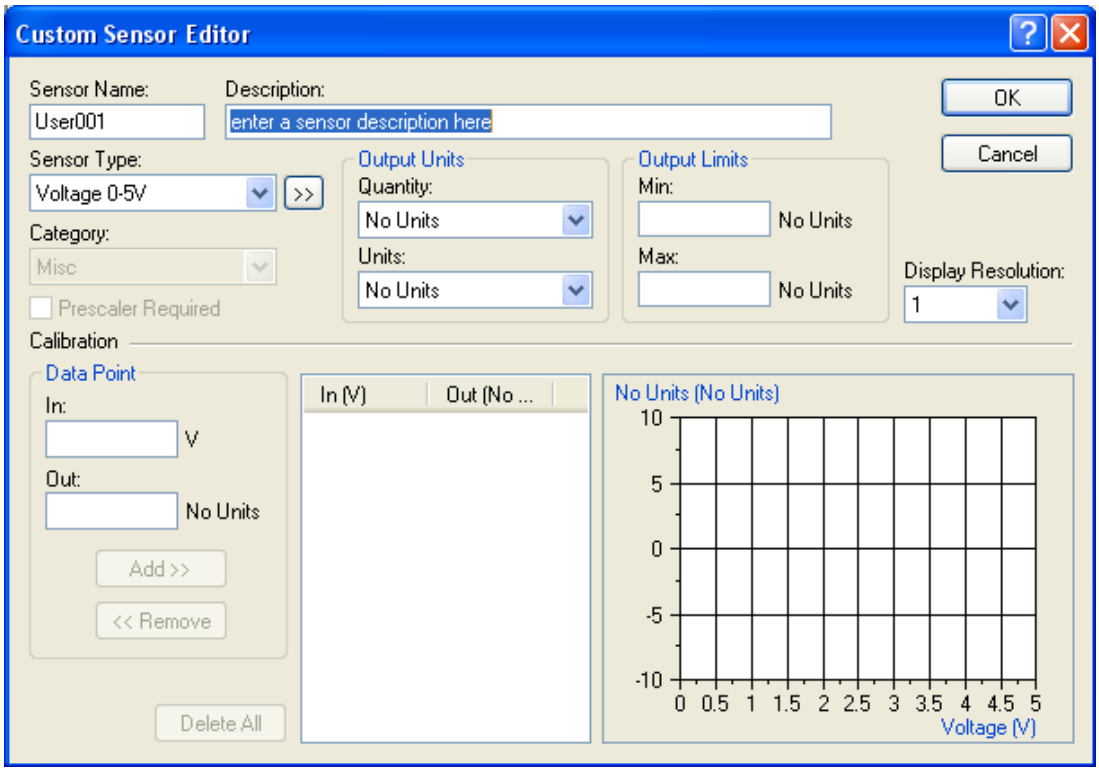




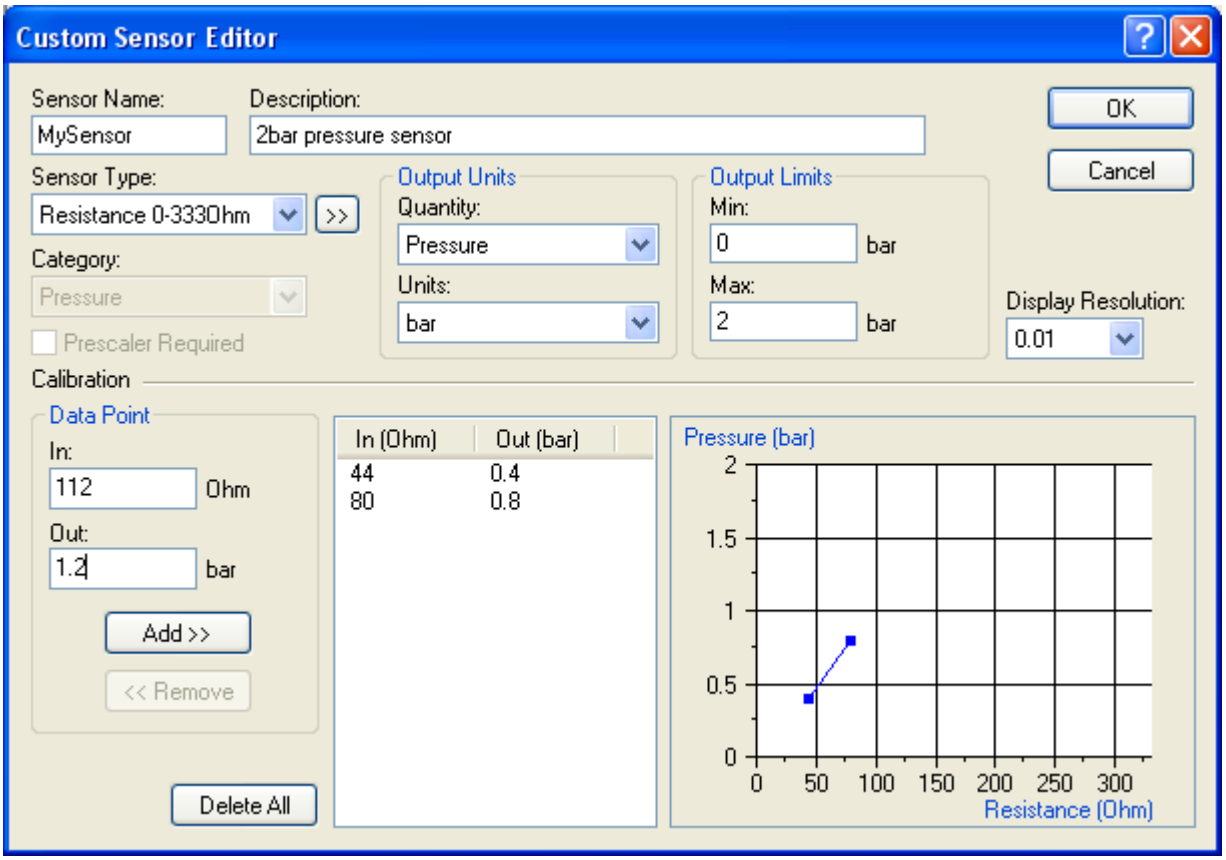


To create a custom sensor, click the **Add** button in the Customer Sensor Manager.

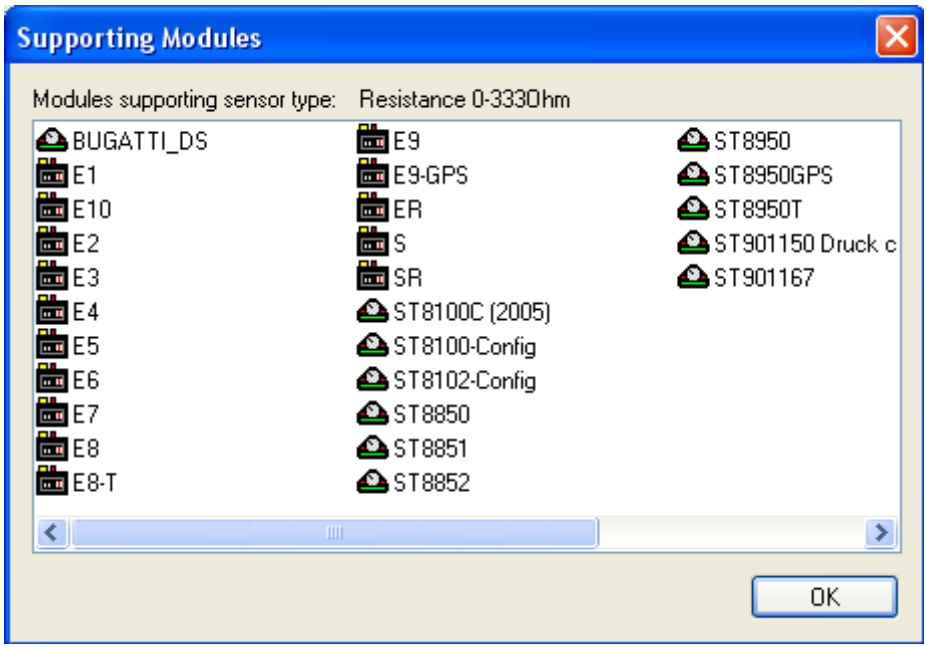
The Custom Sensor Manager Add button displays the Custom Sensor Editor.



Start at the top left of the dialog by entering a name for your custom sensor. The **Sensor Name** is limited to 15 characters and must be alphabetic letters or numbers or the underscore character. The sensor name must also be unique to pre-defined sensors.



Now enter the sensor **Description** up to 50 characters. This textual description will be used under the icon in the sensor list for the **Inputs** screen.



Next, select the **Sensor Type** from the dropdown list control.

The sensor type may be Voltage, Resistive or Frequency.

The button to the right of the dropdown control will launch a dialog showing the modules that support the currently selected sensor type.

Now set the output units. First, choose the physical quantity from the **Quantity** dropdown list control. Then select the output **Units** you want to use for the entry of data into the remainder of the dialog.

Note, if you select **User Defined** for the **Quantity** then you must select the sensor **Category** from the dropdown list and enter the **Units** in the edit box provided.

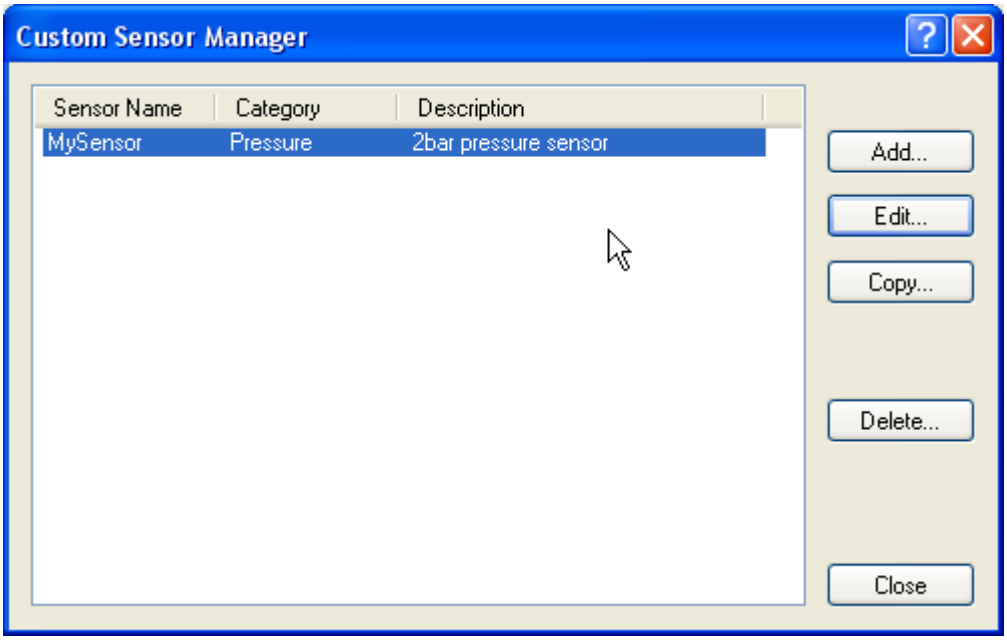
Set the **Output Limits** for the custom sensor. These limits are used to validate the calibration data points that you will enter next. If you do not set the output limits, the entered data point range will be adopted.

For a Frequency type sensor, you may check the **Prescaler** checkbox if you need to enter a prescaler value by using the **Advanced** button on the Input for the channel where the sensor is being used.

The calibration data points are entered one pair at a time. When the second pair of data points is entered a graphical display will start to show the calibration line. Enter the **In** and **Out** value pairs and then click the **Add** button to set the calibration point. If you make a mistake, select the calibration pair you wish to change in the list (clicking the point on the graph will also do this), then click the **Remove** button. You may now change the **In** and **Out** values, then click **Add**.

The **Display Resolution** may be used if you intend for this sensor to be used on a data channel that will be selected into a configurable display layer or video overlay. This sets the resolution for the channel in the units you have specified.

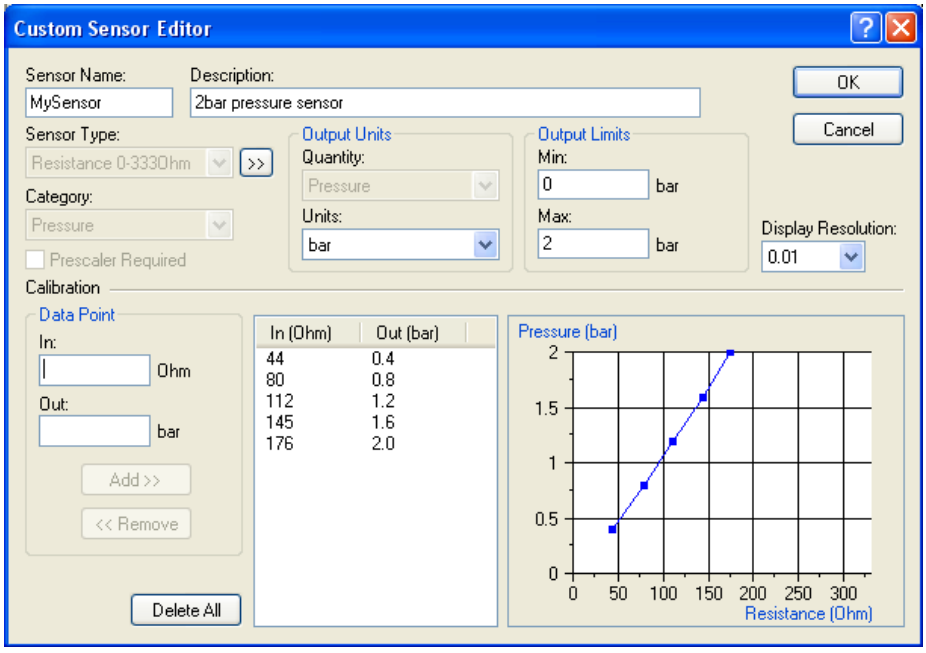
Once all calibration points have been entered, you may then click the **OK** button to confirm creation of this custom sensor. The Custom Sensor Manager will then show the new sensor in the list.



Editing a Custom Sensor

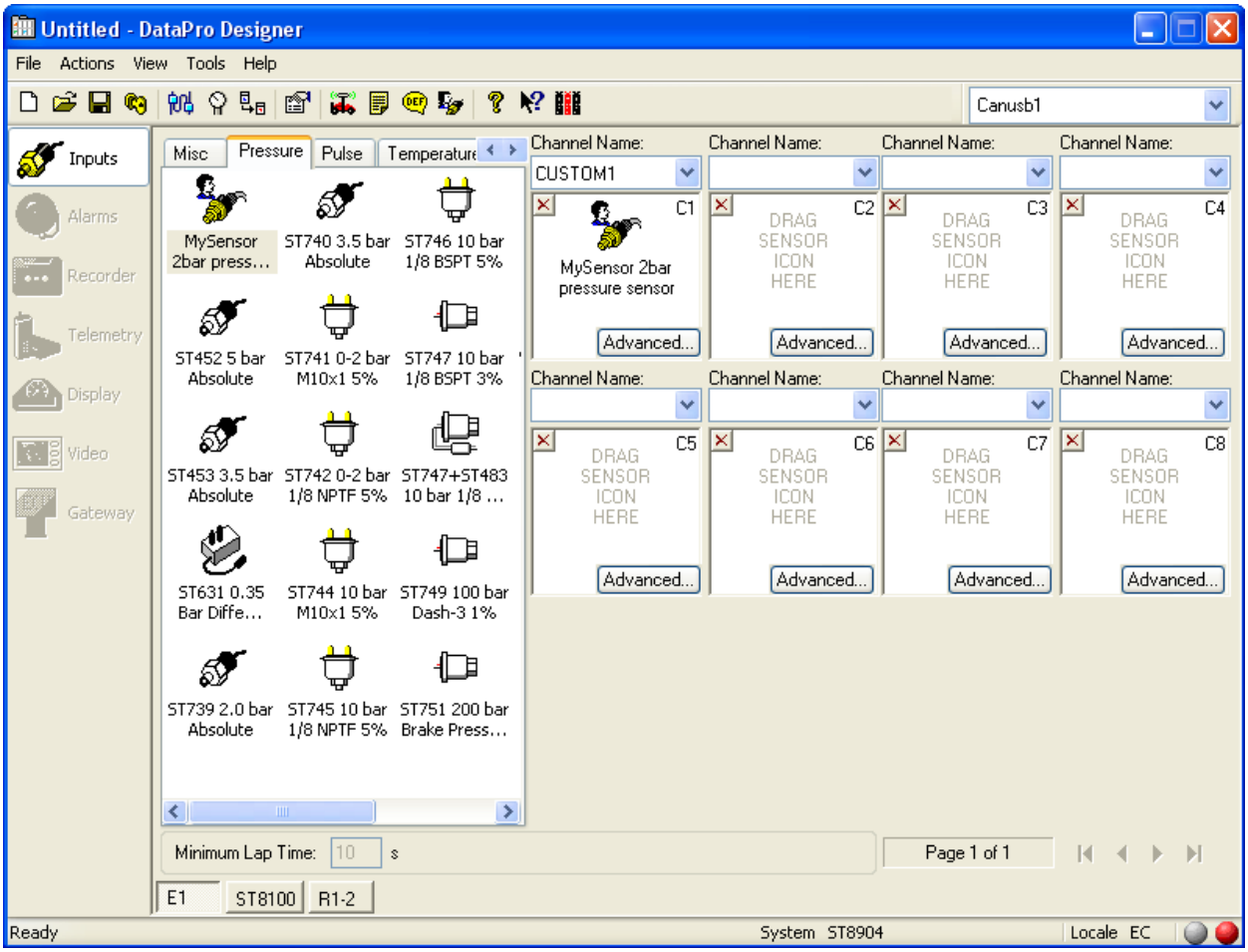
You may double-click the custom sensor icon within the **Inputs** screen as a shortcut to launching the Custom Sensor Manager.

Note, when editing a custom sensor, if the sensor has already been assigned to one or more channels then he Sensor Type and Quantity controls within the Custom Sensor Editor will be disabled (as shown below).



Using a Custom Sensor

Use the custom sensor in the same way as pre-defined sensors by dragging the sensor icon onto an input.



Deleting a Custom Sensor

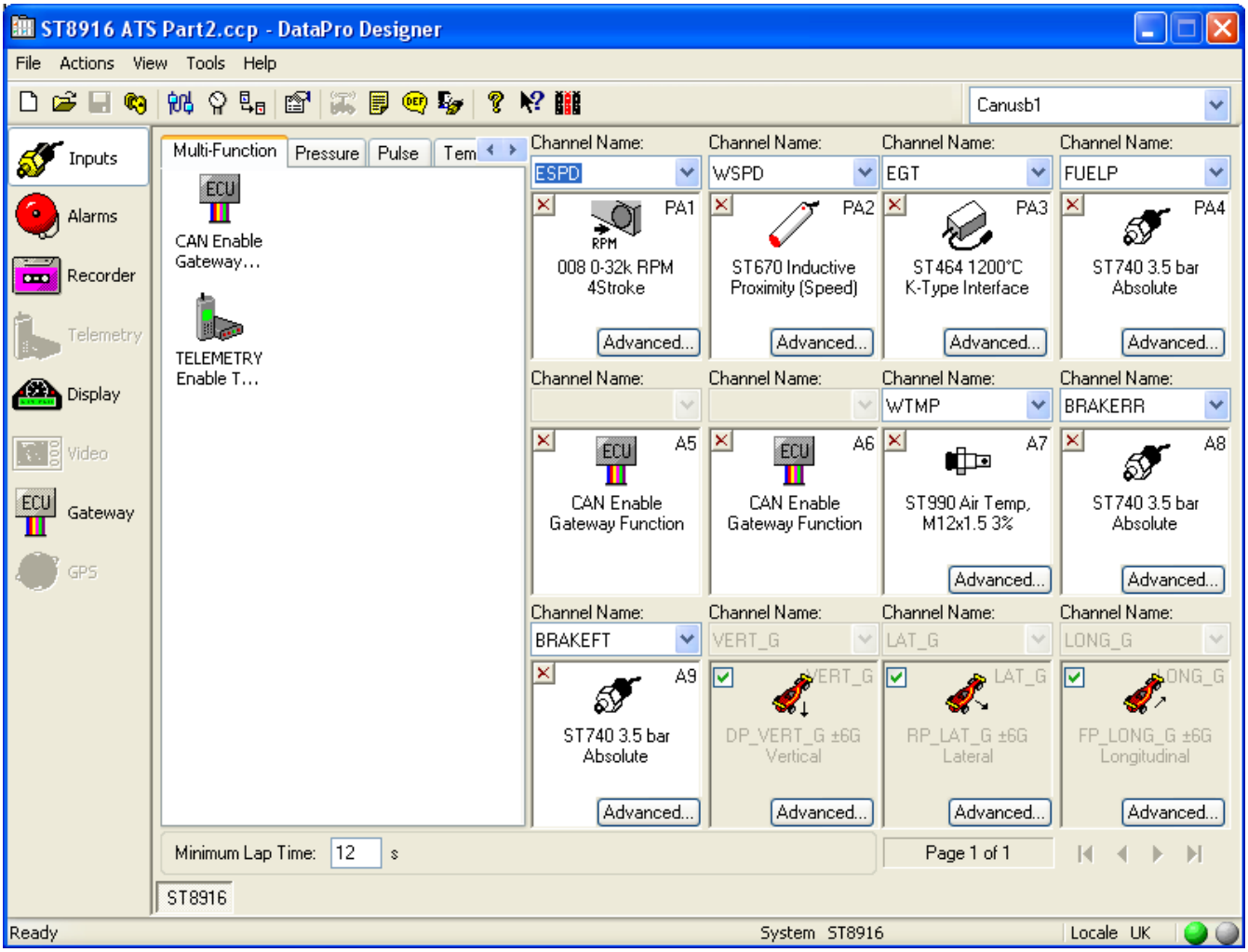
To delete a custom sensor, launch the Custom Sensor Manager and select the sensor you wish to delete in the list. Then click the **Delete** button. You will be asked to confirm the deletion. The confirmation dialog will be different if you are using the custom sensor in your configuration.



Multi-Function Recorders

Enabling Multi-Function Interfaces

Select the Inputs button on the left panel of Designer. Select the Multi-Function tab. Drag the required interface icon to the appropriate input box(s) of the module. For example, to enable the CAN ECU Gateway Interface, drag the icon to input A5 or A6. The CAN ECU Gateway Interface will automatically take the two inputs. The CAN Gateway button on the left panel should then become available.



To disable the interface and use the inputs as normal sensor inputs just delete the input by clicking the input delete button.

Note, a pincode is required to use the Multi-Function Interfaces.

WR Module Configuration

The WR Module is pre-configured at Stack Limited with the following **factory defaults**: -

SSID:	**STACKWIFI**
Network Type:	**Ad Hoc**
Channel:	**6**
IP Address:	**192.168.100.1**
Hostlist:	**192.168.100.100:10002**

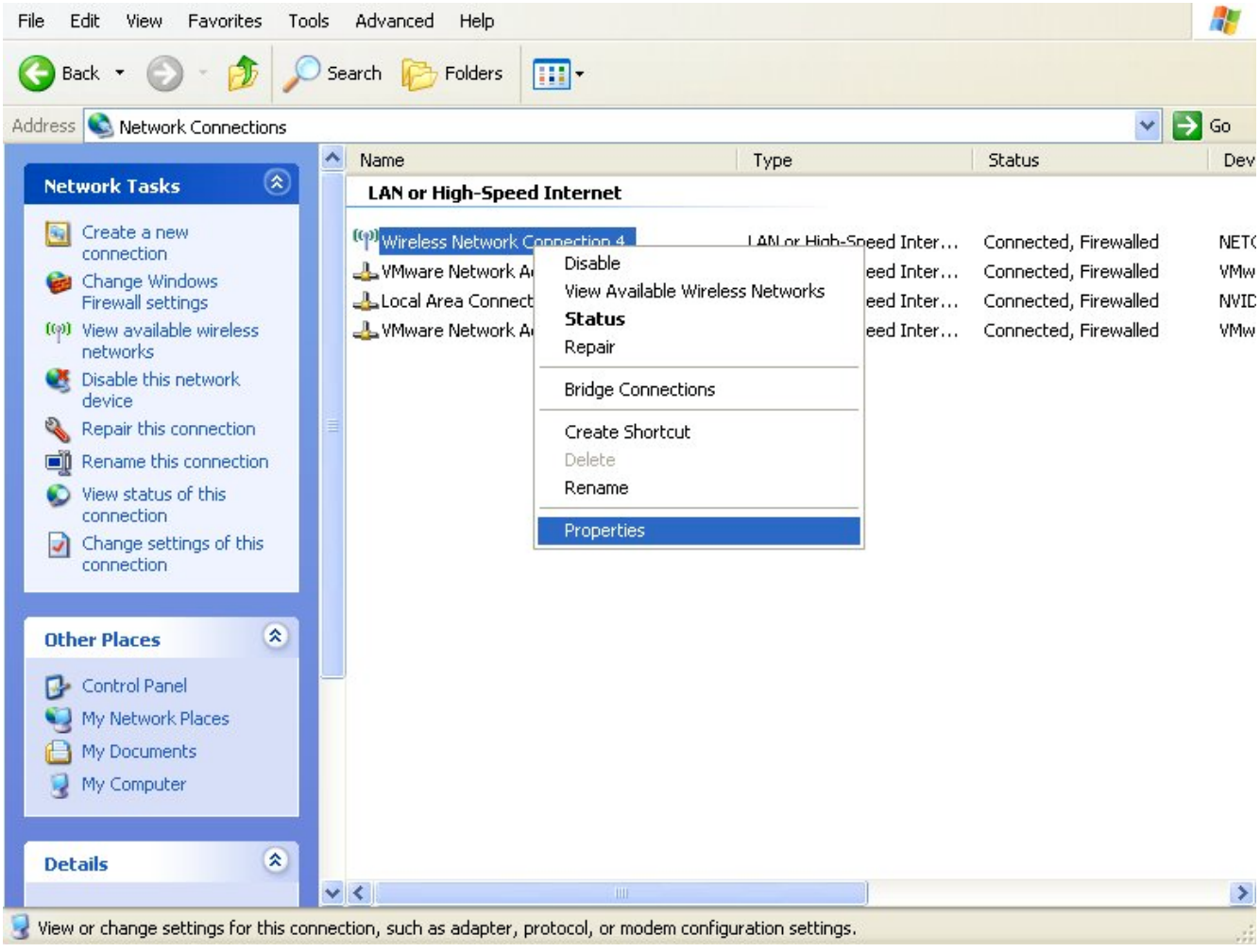
Important! If you have purchased more than one WR module, you will need to power them on one at a time and configure them. Powering on more than one WR module before configuration will cause IP conflicts.

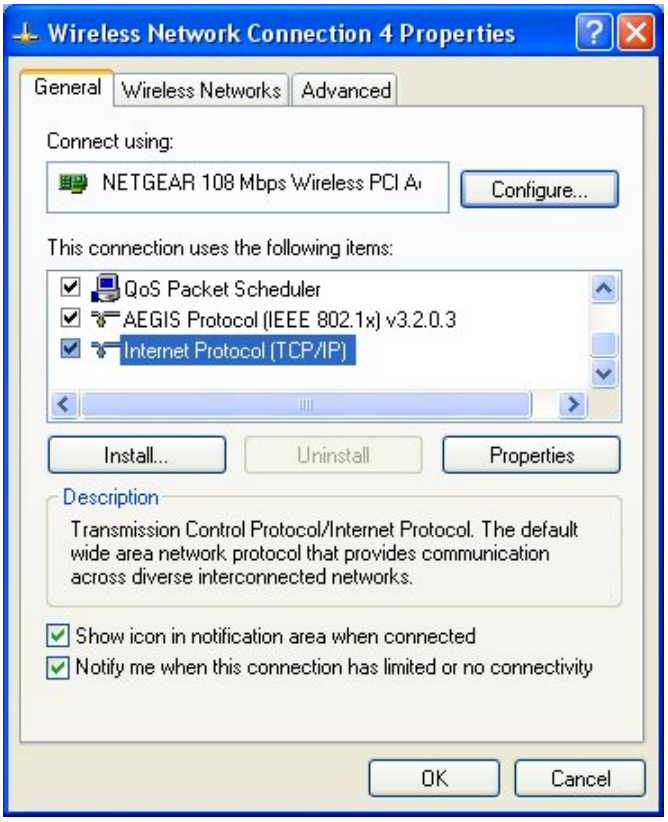
When you first power the WR module in range of your PC, the **Windows Zero Configuration** wizard will detect the **STACKWIFI** network. At this point you may connect to the network but you will not be able to communicate with the module until the module has been configured. In order to configure the WR module, you will need to modify settings for your PC's wireless network connection.

Important! These instructions are specific to users running **Microsoft Windows XP Service Pack 2** and using **Windows to configure wireless networks**.

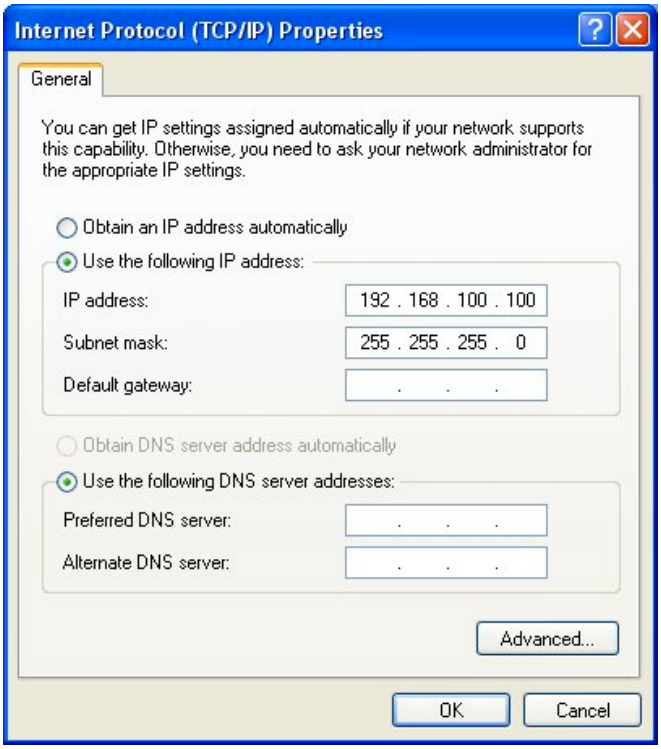
Modifying Your PC's Wireless Network Connection

Select **Network Connections** from the **Control Panel**. Right-click the **Wireless Network Connection** item in the list and then select **Properties** from the popup menu.





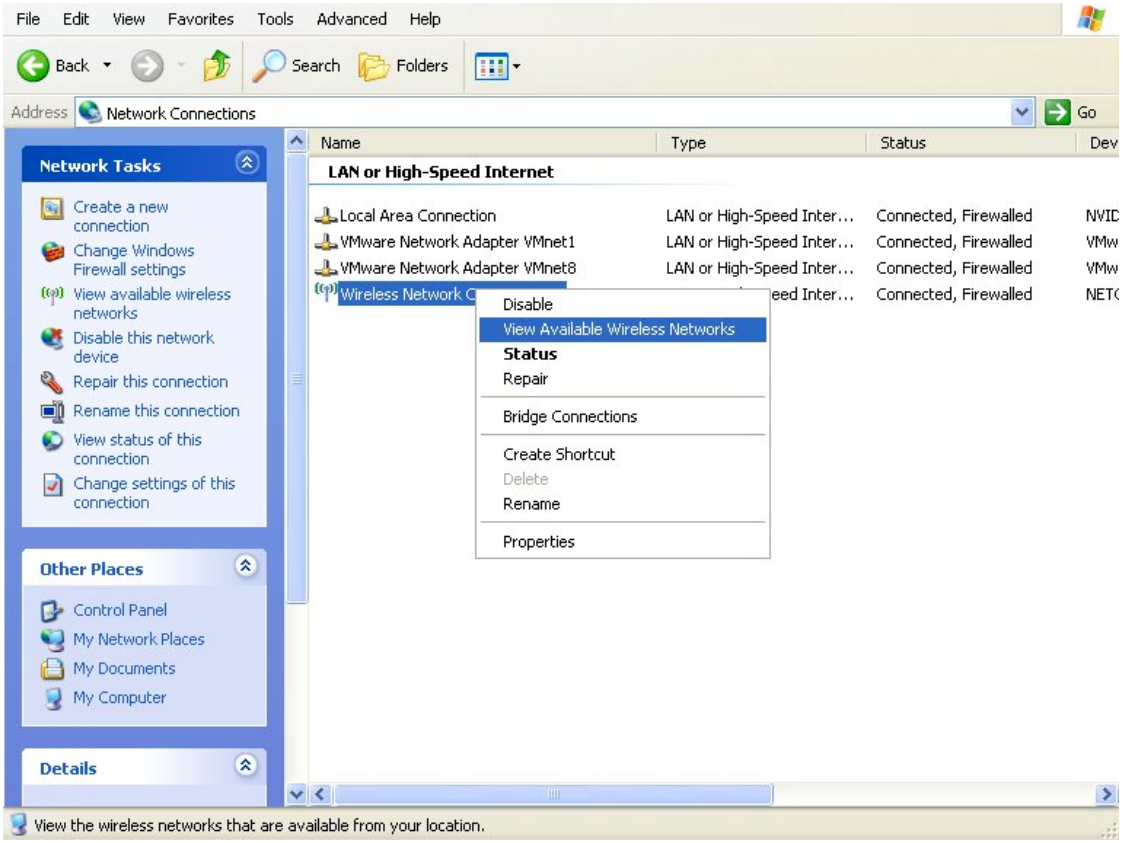
Under the **General** tab, double-click the **Internet Protocol (TCP/IP)** item in the connection list. This will display a dialogue for the Internet Protocol properties.



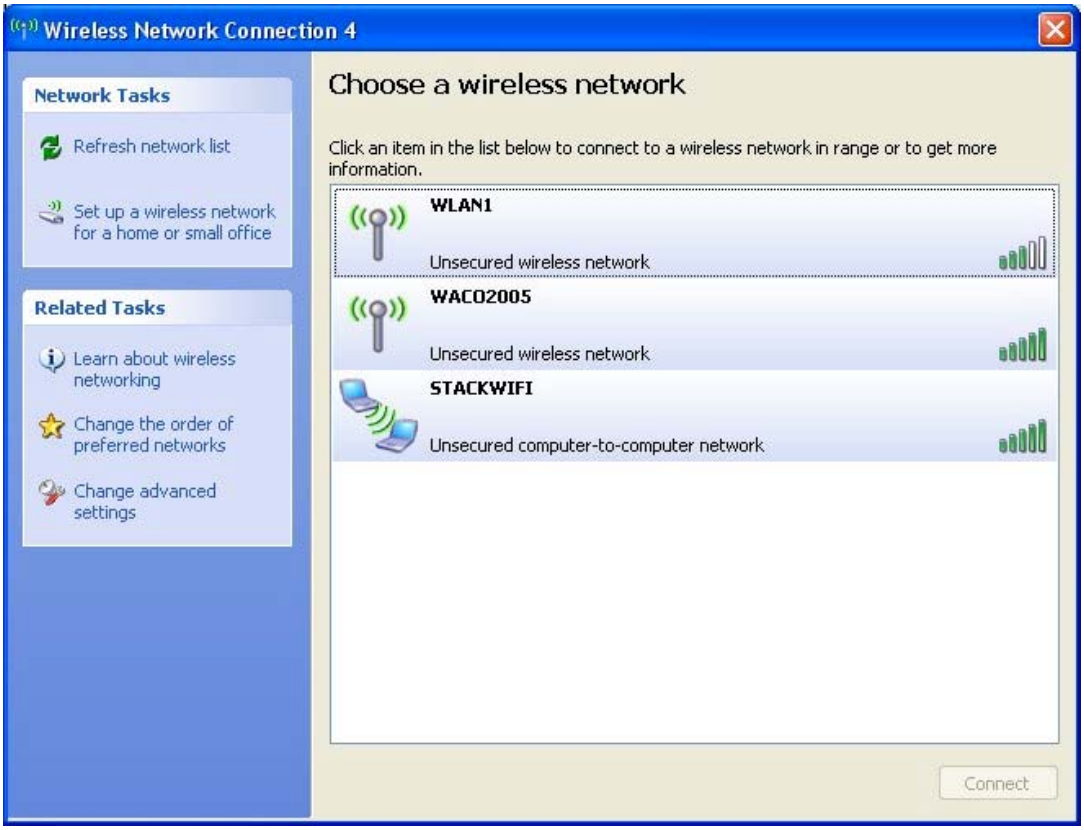
On the **General** tab of the **Internet Protocol (TCP/IP) Properties** dialogue click the **Use the following IP address** radio button and enter IP address **192.168.100.100** and Subnet mask **255.255.255.0** . Then click **OK** to close the **Internet Protocol Properties** dialogue and click **OK** to close the **Wireless Network Connection Properties** dialogue.

Connecting to the Wireless Network

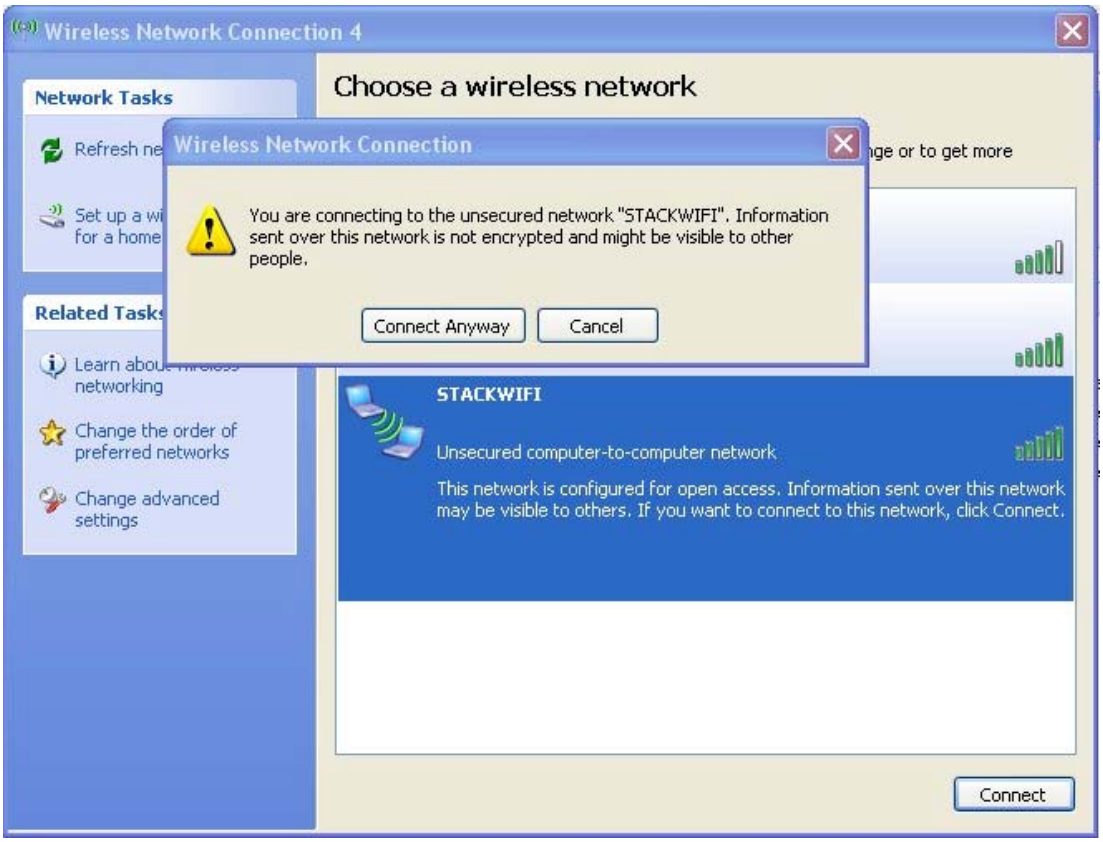
Select **Network Connections** from the **Control Panel**. Right-click the **Wireless Network Connection** item in the list and then select **View Available Wireless Networks** from the popup menu.



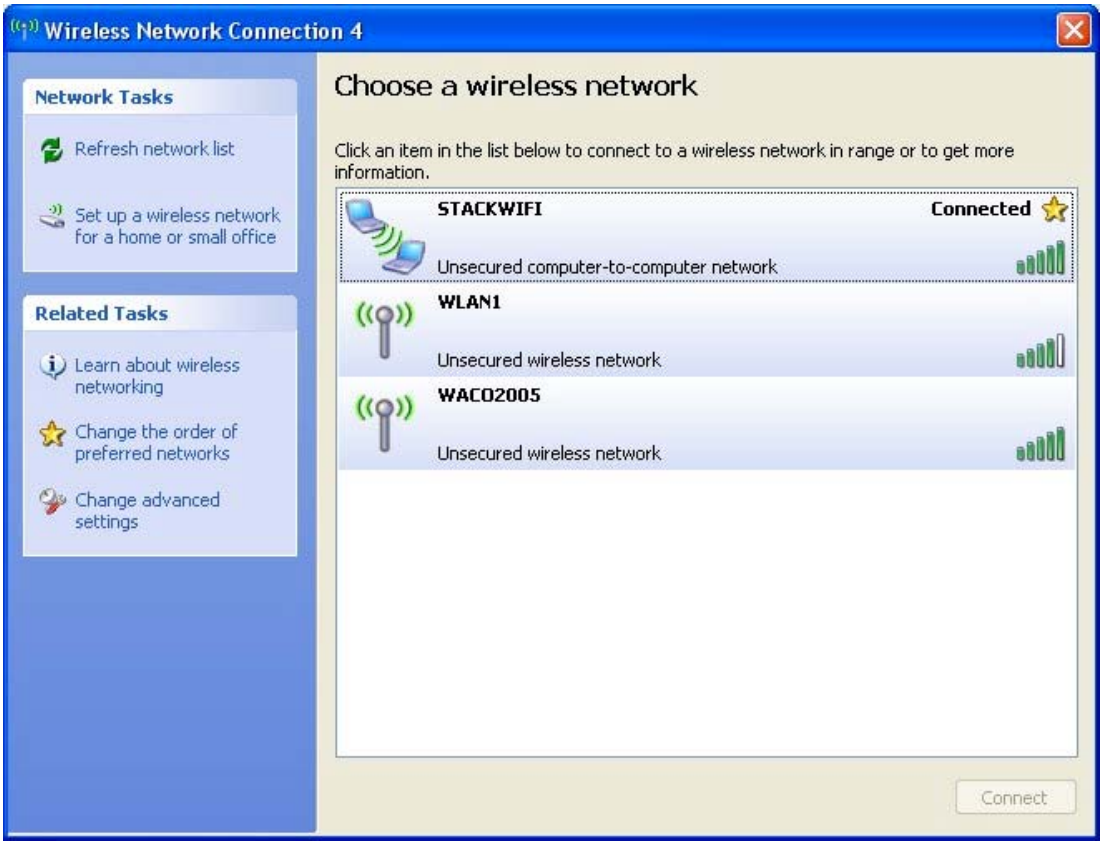
This will display available wireless networks for your wireless network connection.



Select the **STACKWIFI** option and click the **Connect** button.



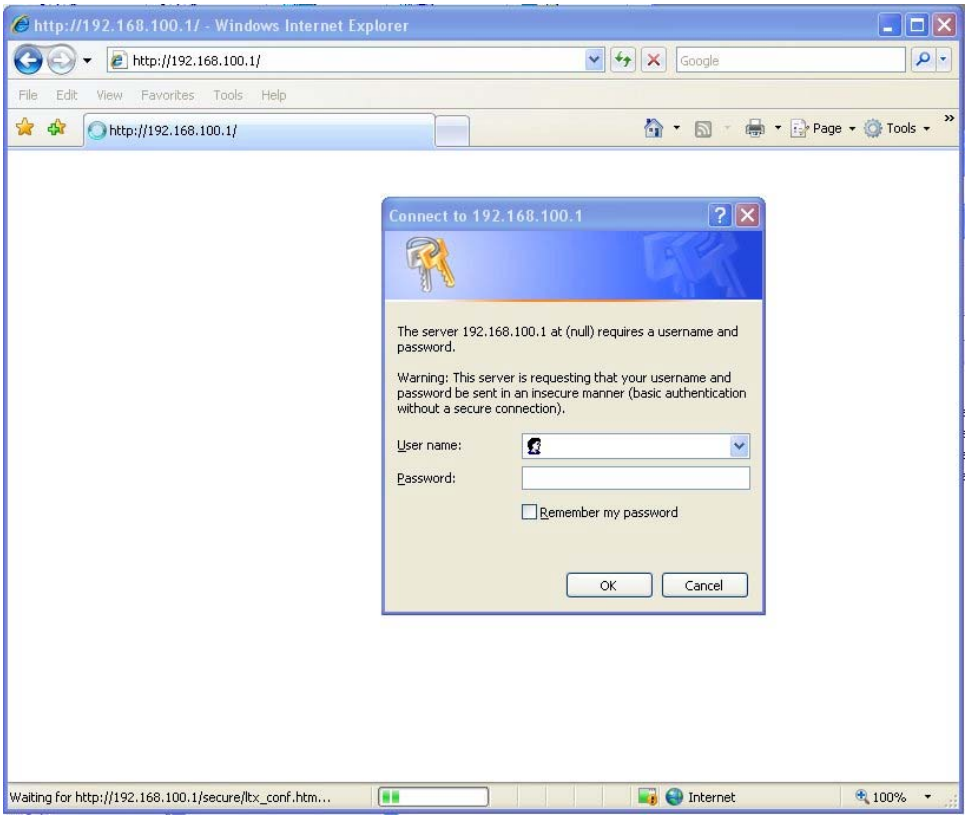
Click **Connect Anyway** to the warning about unsecured networks.



The **STACKWIFI** network should now be at the top of the list and show a **Connected** status.

Modifying the WR Module Configuration

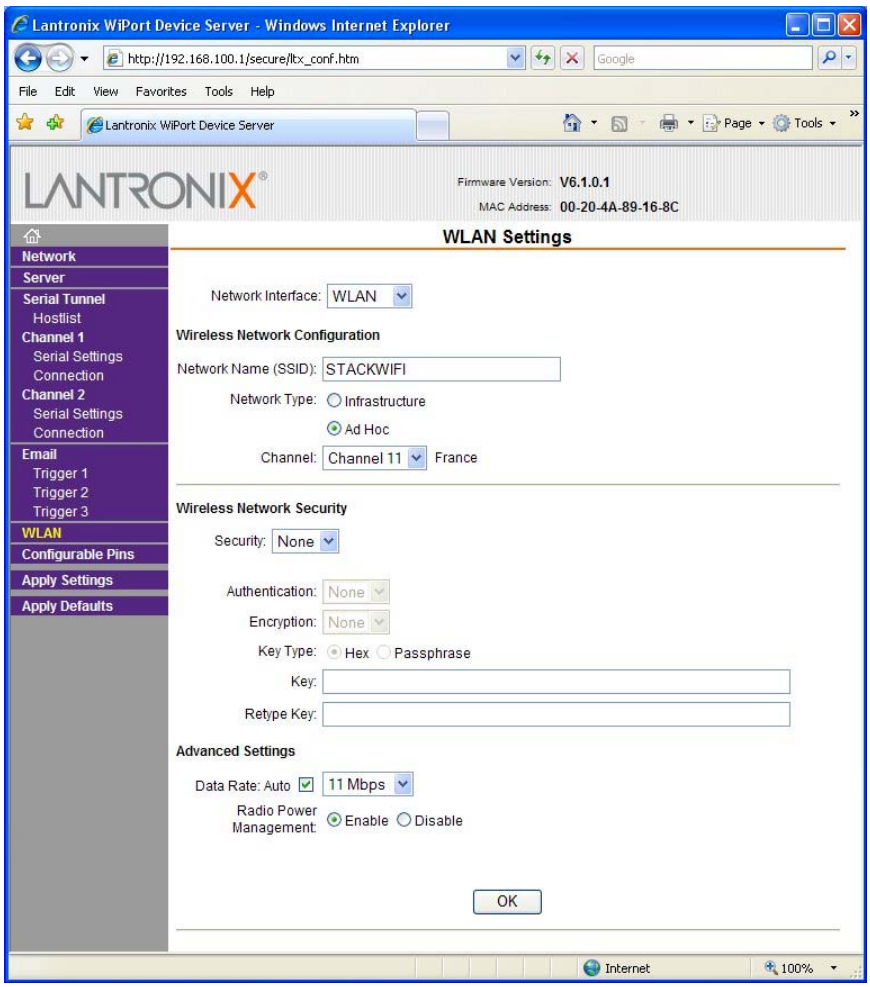
Now launch a **Web Browser** such as **Microsoft Internet Explorer**. In the address bar enter the following URL: - **http://192.168.100.1** (this is the default IP address of the WR module) and click the **Go** button.



When the **Connect** dialogue is displayed, leave the **User name** and **Password** fields blank and click the OK button.



You should now see the **Device Server Configuration Manager** webpage. We are now going to change the **SSID** of the network from the default setting. Select the **WLAN** option from the Manager menu.



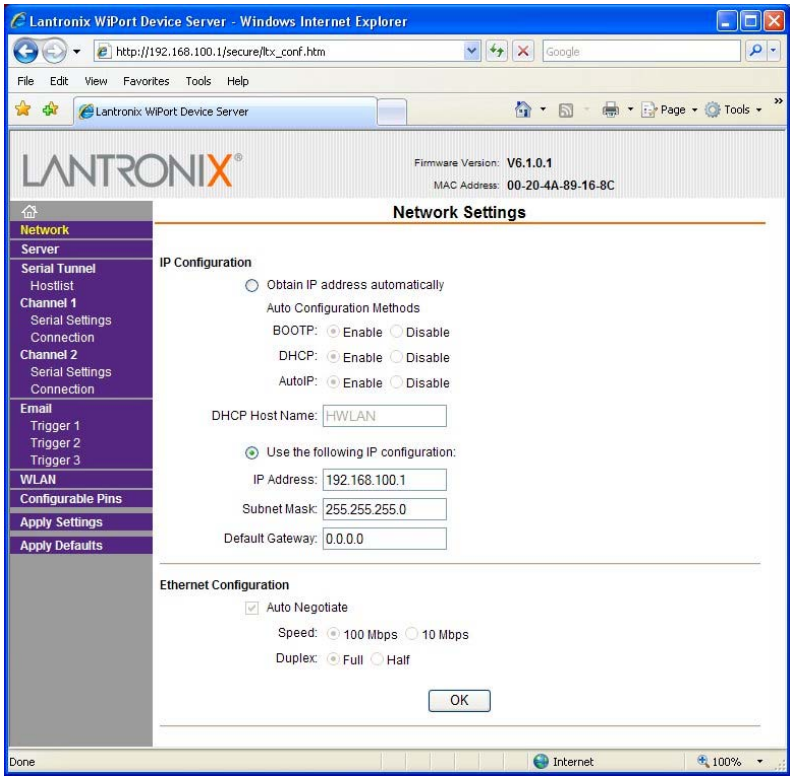
Change the **Network Name (SSID)** field from **STACKWIFI** to another unique name.

Channel Number
If required, you may also change the **Channel** number.

Do NOT enable **Network Security** of any type. Pincodes and data encryption provide security on this network.

Note, the **Network Type** must be set to **Ad Hoc**.

Now click the **OK** button at the bottom of the webpage.



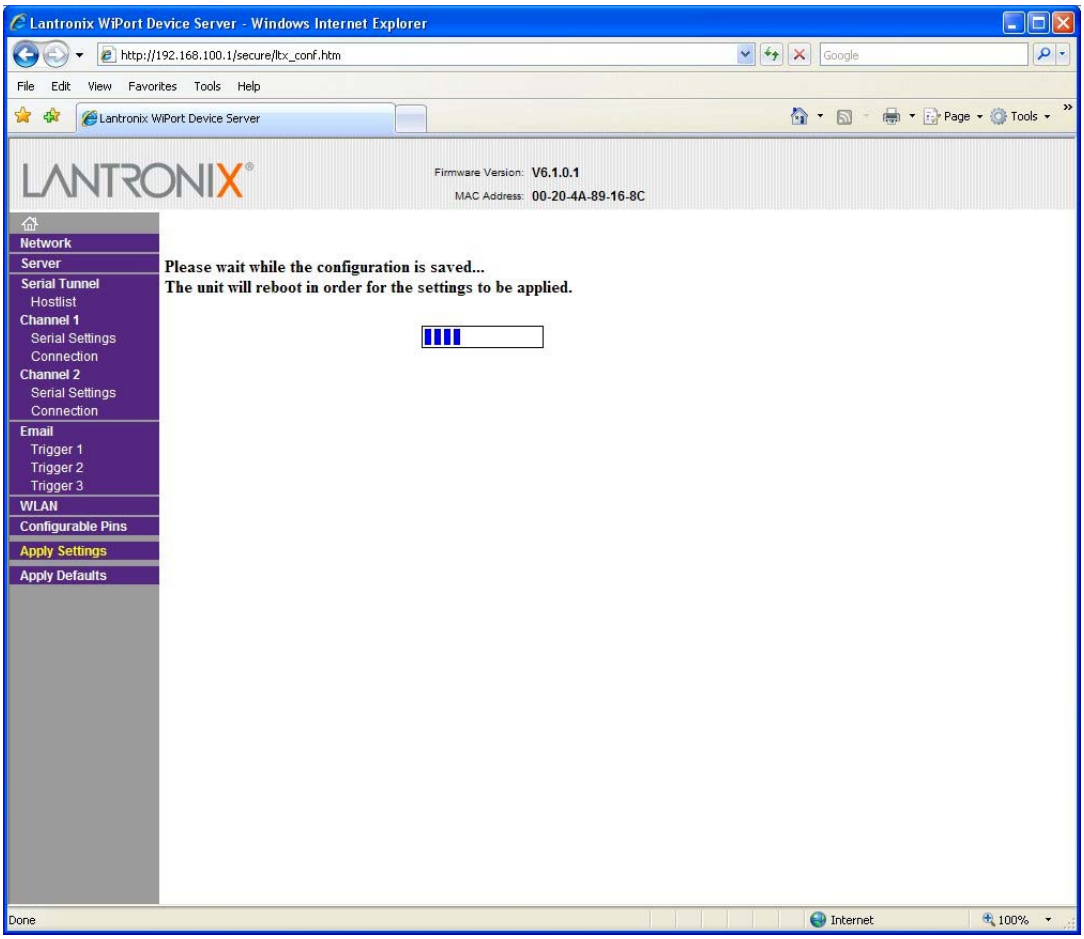
If you have purchased more than one WR module or if you have specific requirements as to the IP subnet that must be used, you will need to configure each module so that they have a unique IP address.

To do this click on the **Network** option on the Manager menu.

If you use the default subnet then change the last number in the IP address. Set 1 for your first module (so that its IP would be 192.168.100.1) and 2 for your second (IP would be 192.168.100.2), and so on.

Then click the **OK** button at the bottom of the webpage.

To complete the WR module configuration you must now click the **Apply Settings** option on the Manager menu.



This will show the please wait dialogue. When the progress bar is complete, you must connect to the network with the **SSID** you have just set using the **Connecting to the Wireless Network** procedure outlined in this document.

Further Notes

Automatic IP Assignment (DHCP)

The WR modules rely on fixed IP addresses to connect to the DataPro software running on your PC. It is important that any DHCP servers running on your PC or network do not assign automatic IP addresses to the wireless network adapter being used for communication with the WR module.

Using a Different Subnet

If you cannot use your wireless network adapter as a dedicated Stack WiFi network, then you will need to configure both your PC wireless network adapter and the WR module(s) to use IP addresses with a specific subnet. This configuration will include using the **Hostlist** menu option in the **Device Server Configuration Manager**. The Hostlist must contain the IP address of the PC's wireless network adapter. Do NOT change the **Port** number in this configuration screen, it must remain as **10002**. A detailed description of this kind of configuration is beyond the scope of this document.

Using an Access Point

If you are using an **Access Point** (AP), you will need to set this option in each of the WR modules you are using. Follow the procedure outlined in this document to navigate to the **Network** menu of the **Device Server Configuration Manager** where you will find the appropriate **Infrastructure** setting to change under **Network Type.** Remember to click the **OK** button at the bottom of the webpage and then click the **Apply Settings** menu option to make the changes.

Using a Non-Windows XP Firewall

If you have a custom Internet Security Suite/Firewall software package installed on your PC you will have to set you firewall to unblock communications for the WR module's IP address on port 10002. Please refer to your Internet Security Suite/Firewall software manual for instructions on how to do this.