

This guide is for standard single team code users, up to 256 sensors per vehicle.

Receiver Software Version - BW3K

Wheel Sensor Version – All

PC software covered in this document.

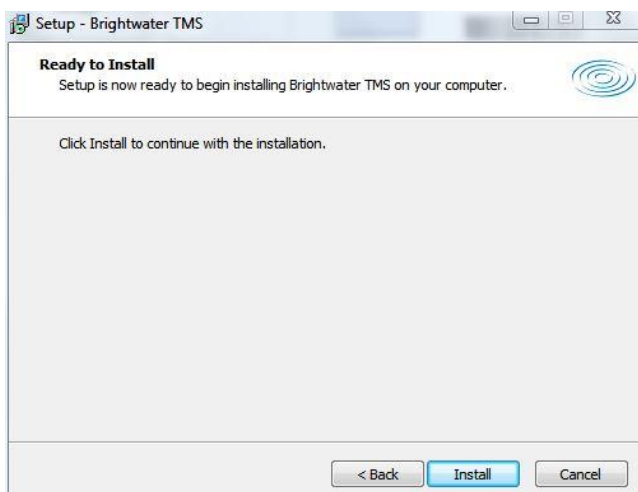
1. Receiver programmer V3.0
2. Real time Display software V2.67*
3. Real time Display software V5.0

This software can be used on XP/XP-Pro/Vista/Windows 7/8/10

1.01-The installation programme is supplied on a UBS stick and can be installed by selecting the Tms1setup.exe file.



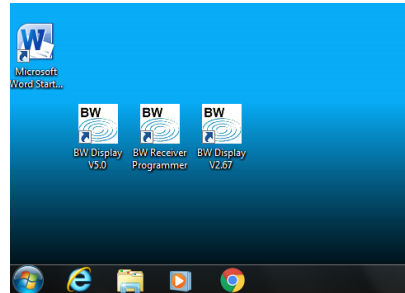
Press 'I accept the agreement' if you agree to the terms of the limitations of liability. Then press next.



Press install to start the process you will then be asked to select the directories for the Software to be installed to the default is C:\ProgramFiles\tms1



After you have selected finish, the three PC Tools will be copied into the tms1 directory and 3 short cuts will appear on the desktop for easy access.



Within the TM1 directory there will be sub directories where you can find other related documents for the Brightwater TPMS system and related products.

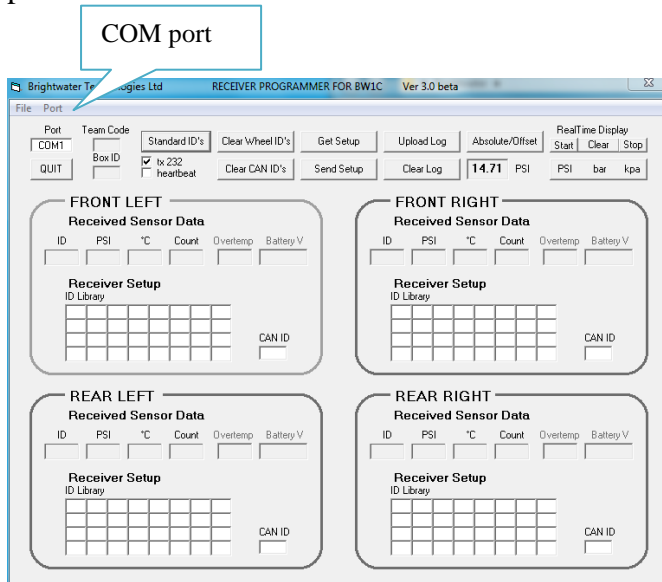
The system is generally supplied with a USB lead (FTDI brand) the drivers for this device can also be found in one of the sub directories of C:\ProgramFiles\tms1. When the device is installed correctly you should open the System/Device manager in the control panel and see what COM port number has been applied to this new device.

2.01 Receiver Programmer Version 3.0

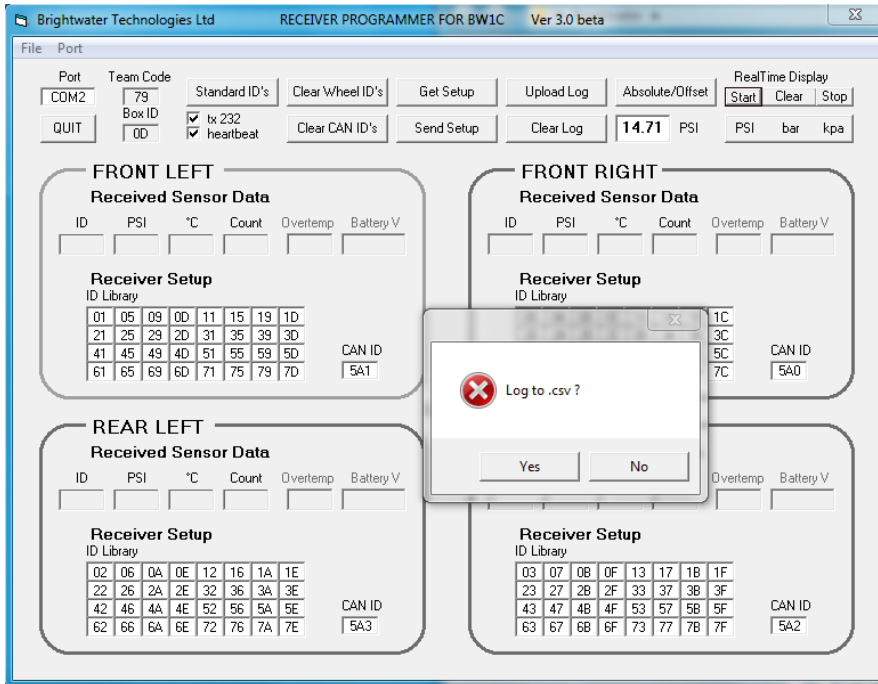
This PC Tool should be used first to check the system is configured correctly.

Note: Each Receiver is programmed with the correct team code and default sensor library so there should be no reason to modify the setup.

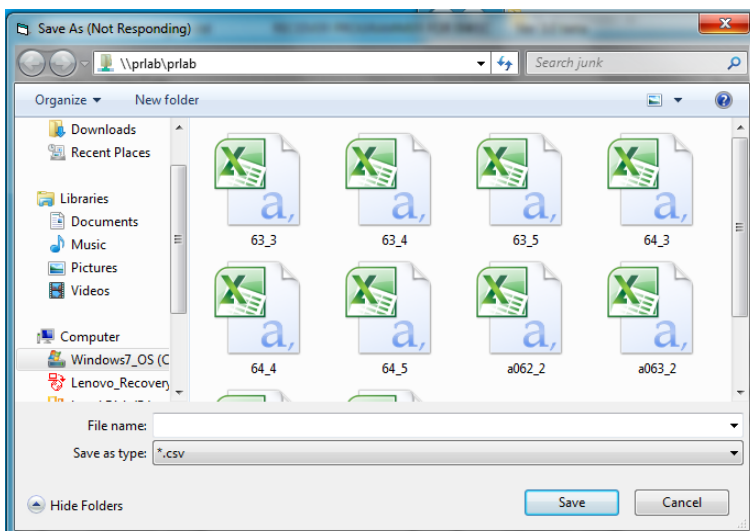
To allow communication you must select the correct COM port from 1-4, if you are not sure of the COM port selected it can be checked within the Device Manager.



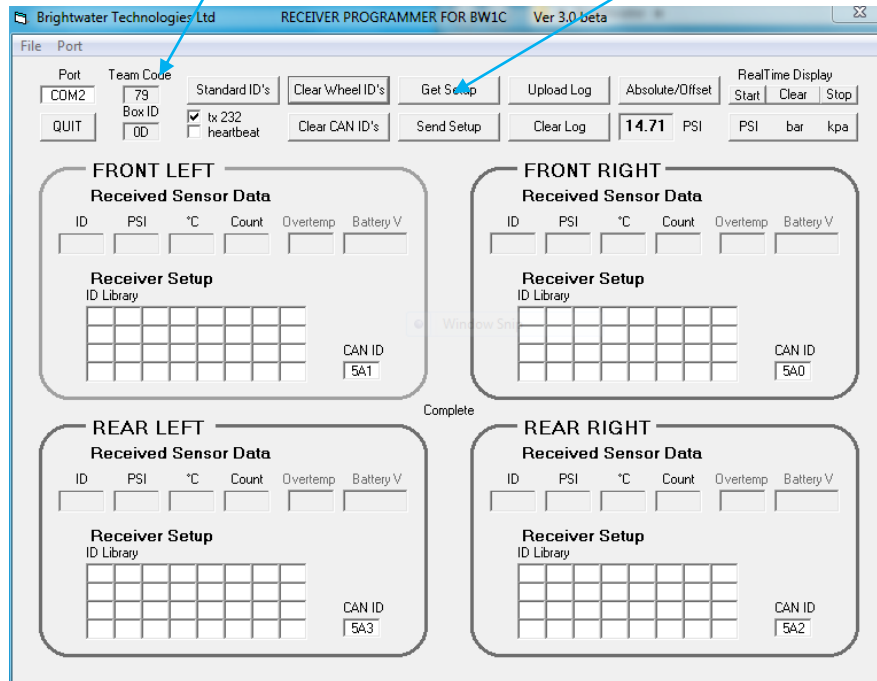
2.02 To start communication with the receiver press Start. You will be prompted if you would like to save the real time data to a text file for future analysis, (Log to .CSV?). Select NO unless you want this file to be saved to a directory of your choice.



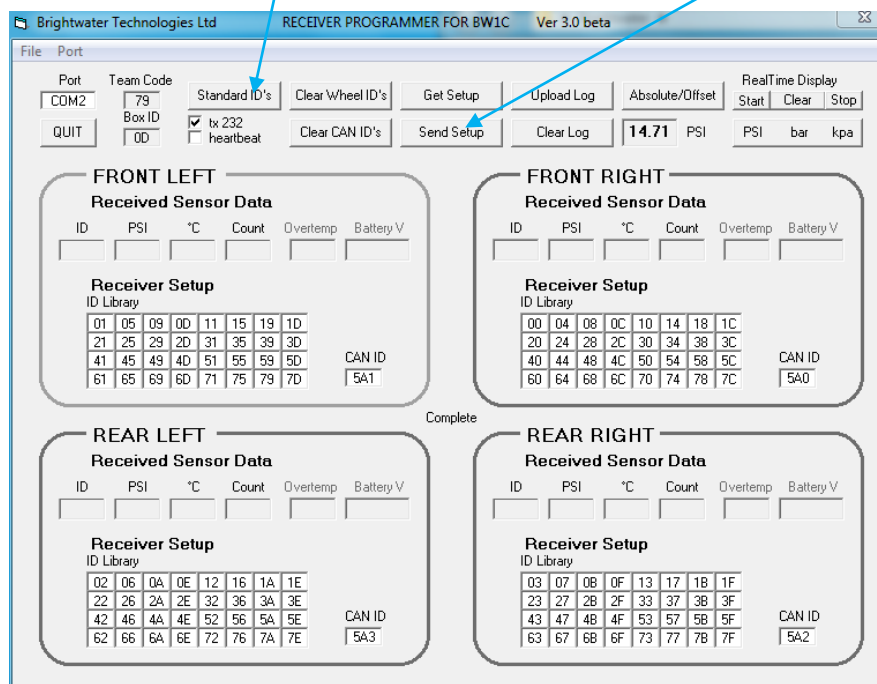
A suitable file name can also be added ????.CSV



2.03 When you have connection to the receiver, you select 'Get Setup' the team code and receiver box ID will be displayed.

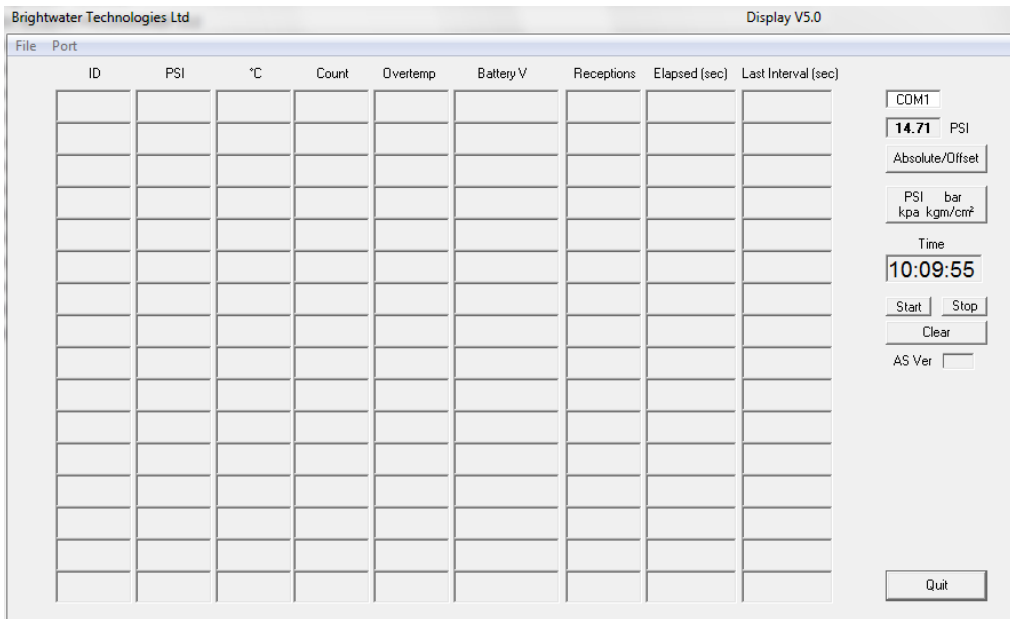


If the receiver has not been programmed with the Standard ID library, which will be displayed as below, you can select them here. Then send this table back to the receiver.

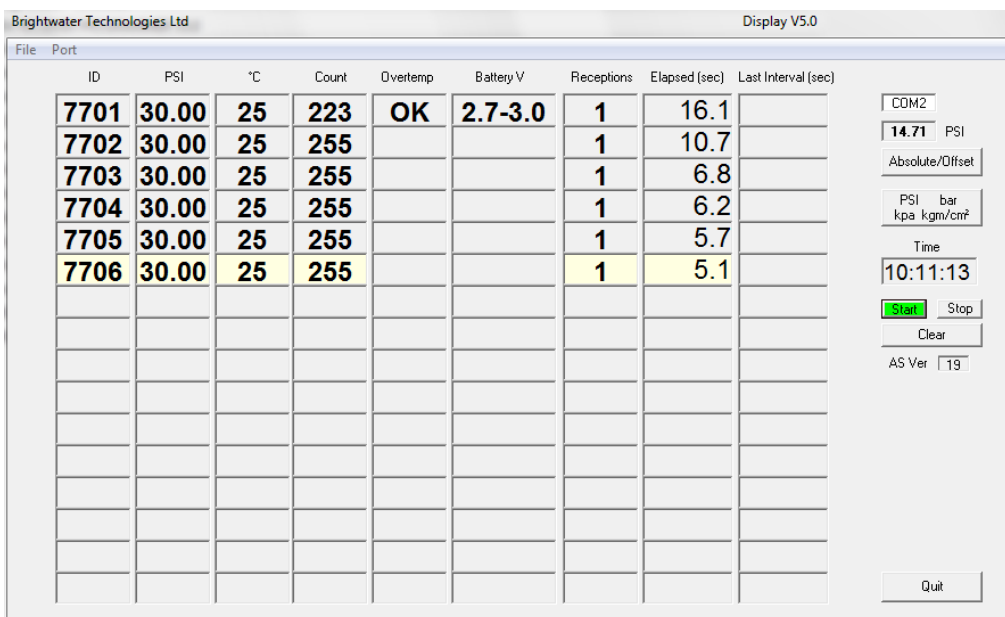


3.01 Display Software Version 5

3.02 This tool is used simply to monitor the status of one or a group of sensors simultaneously up to 16. The key functions operate in the same manner as the Receiver programmer software



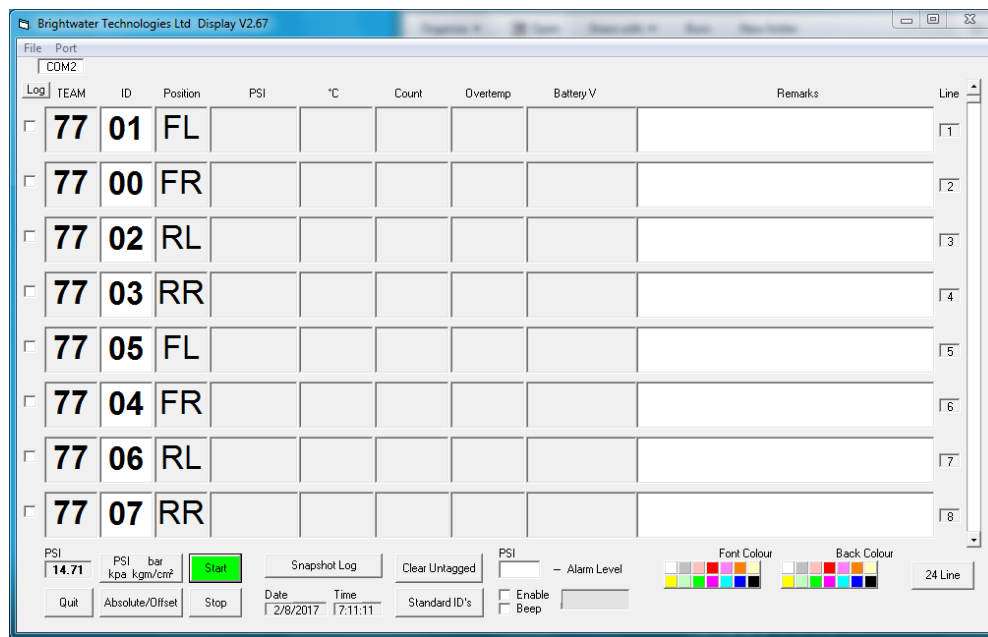
This display is useful for monitoring the correct function of multiple sensors quickly inside a pitbox environment.



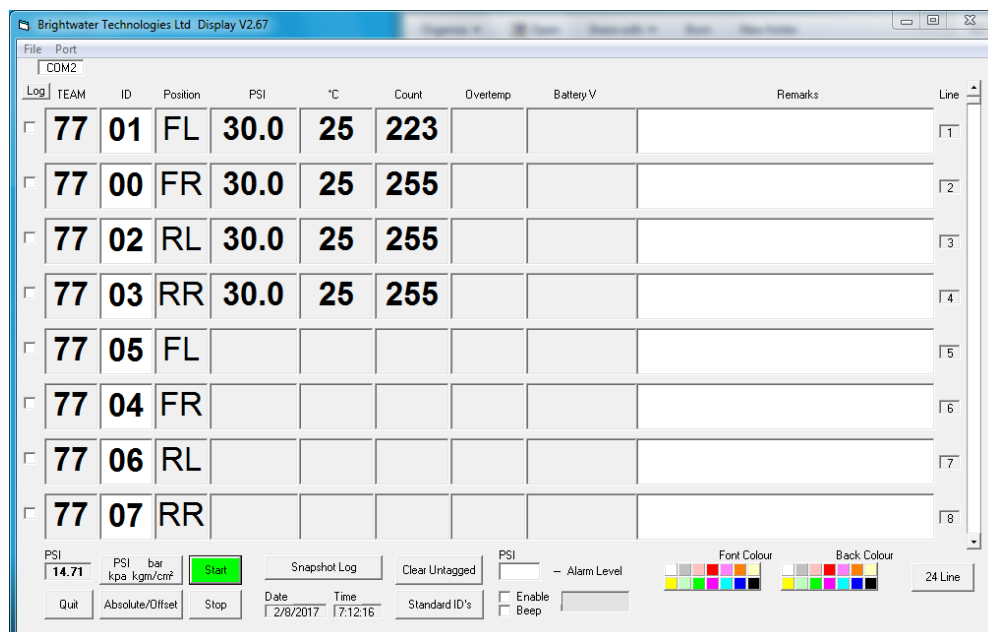
4.01 Display Software Version 2.67

This version of display software is operated in the same manner as display version 5 but with added functions.

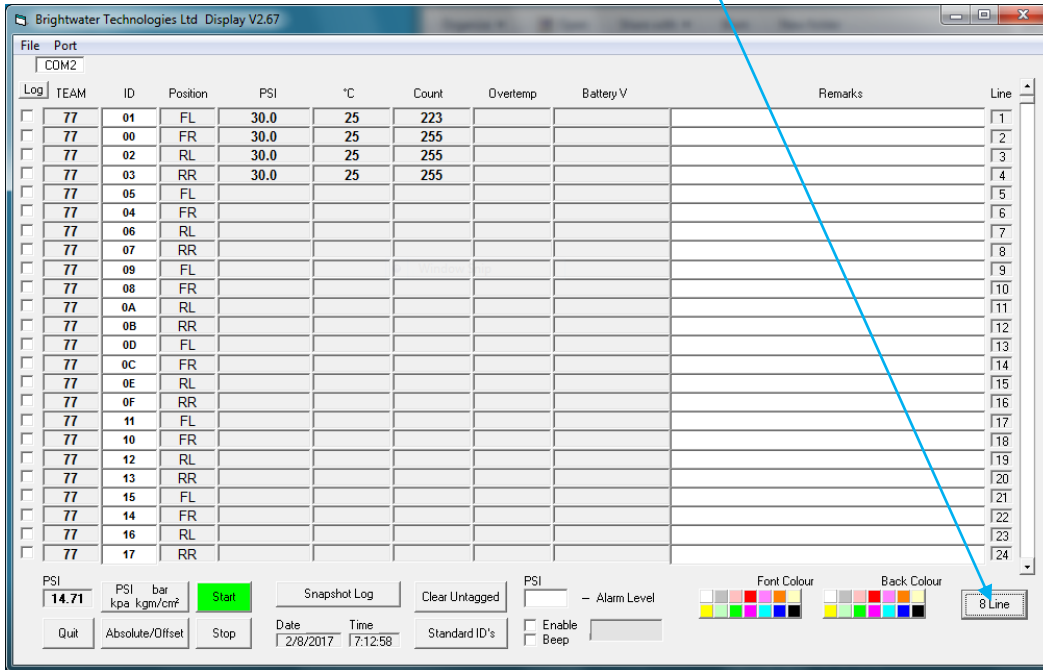
When first connected the team code will automatically be displayed along with the entire sensor IDs in the receiver library.



The Sensor wheel allocation is also displayed with its current pressure and temperature.

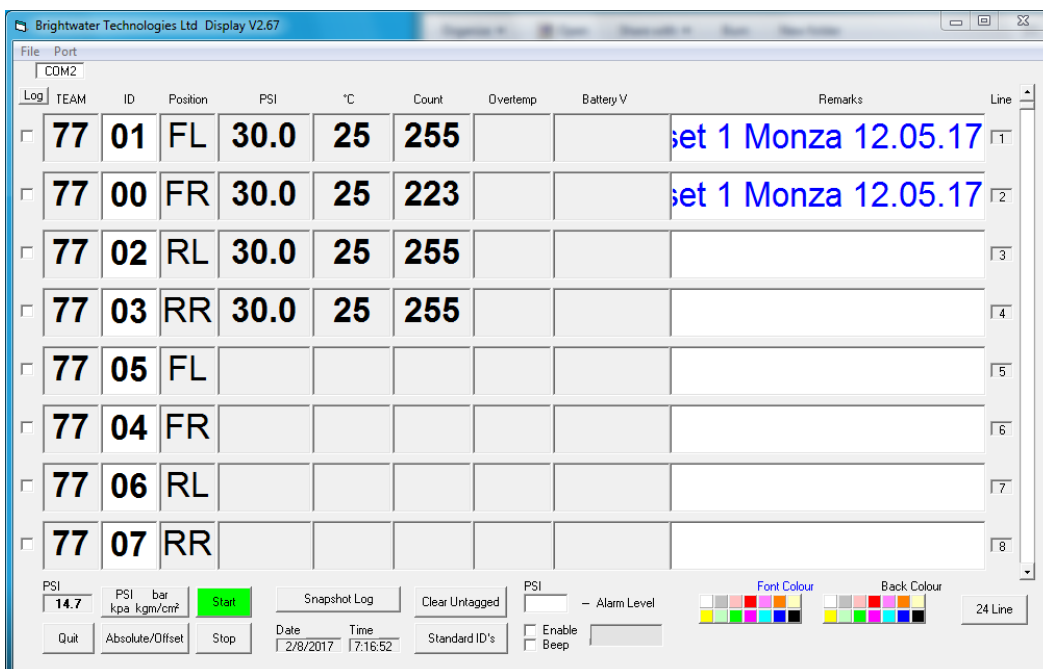


The display can be switched between 8 and 24 lines.



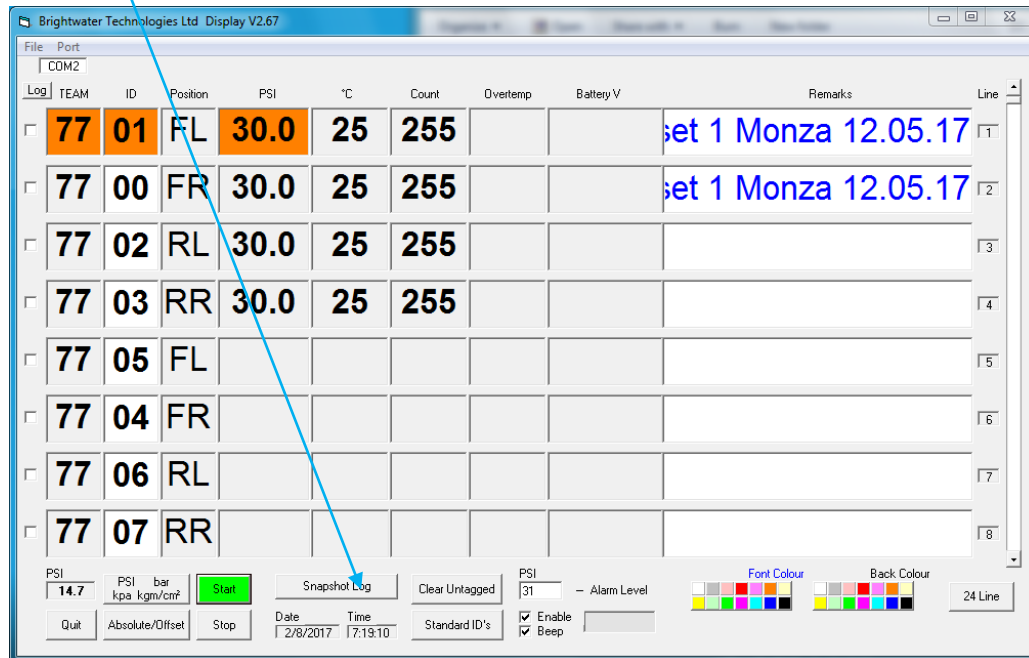
Remarks can be added to each sensor, this information will be saved with the individual sensors if logged to CSV file.

The order of sensor IDs can be manually entered with the comments and chosen colours, this is useful for grouping particular wheel sets, this layout can be saved for future use under the File Tab.



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When monitoring multiple sensors/tyres in the pit garage you can set a visual or audible alarm for the pressure level selected. A snapshot of all sensors values in or out of view can be made by selecting this button.



Notes.

- * If the Heartbeat function is selected on the receiver setup, version 2.67 will not display any sensors. This function allows a dummy CAN message to be sent out on a corner that has not received a transmission from that corner ID for 10 seconds. Further details can be found in the tms1 folder.
- All sensors values are displayed and recorded as absolute values, these can be displayed on the PC tools as gauge pressures by selecting the offset button and changing the default value of 14.7 PSI to the current atmospheric pressure, this is for display only the absolute pressure will be sent on the CAN/RS232 interface.
- The default CAN address is 5A0, 5A1, 5A2, 5A3 for FR,FL,RL,RR this can be changed with the Receiver programmer software.