Industrial Automation using the CAN Bus Demo Platform Software Installation Guide (V1R5)

The CAN Software is a Graphical User Interface (GUI) created in Matlab ® Version 6 (release 12.0).
The CAN software has been archived in a self-extracting ZIP format. To install the software, double-click the V1R5.EXE file and unzip the files to the following directory C:\CAN. The following files will be copied into that directory.

- Matlab figure files (*.fig)
- Serial port libraries (*.dll)
- Matlab setup files (mglarchive.exe and UserSettings.mat)
- Tester executable (CAN_Control.bat and CAN_Control.exe)

If you do not have Matlab® Version 6.0 or later, you will need to install the Matlab ® libraries by double clicking on the mglarchive.exe file directory where you installed the CAN software (C:\CAN). This will install two subdirectory trees call BIN and TOOLBOX and place the necessary Matlab ® library files (DLLs) in them

Running the CAN Software

Before running the CAN software, make sure to connect the PC serial port to the demonstration board and connect power to the demonstration board. To run the CAN software, double-click on the CAN_Control.bat file. This file adds C:\CAN\BIN\WIN32 to your PATH so that the control software can find the Matlab® library files. Next the BAT file will change directories to C:\CAN and run the CAN_CONTROL.EXE. The first time you run the CAN_CONTROL program a window will pop-up and ask you to choose a COM PORT. Please push the button for the COM PORT where you plugged in the serial cable. This chooses the initial COM PORT and can be changed at any time by using the "Configure Com Port" Menu Item at the top of the CAN_CONTROL program window. Once the serial port cable is connected and the Demo platform hardware is running, you can push the MONITOR button to start monitoring the temperature on the fan node. You can stop the strip chart by pushing the ABORT button.

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