**CanBus App**

The sample application demonstrates the use of CanBus on the Reach Tech G3 module.

This app exercises the CanBus that is connected on the G3 on J20. See here for the pinouts [GPIO J20 pinout](https://reach-technology-g3-manuals.readthedocs-hosted.com/en/latest/hw/BNG/interfacing.html#can-bus).

This application uses the Ozen Electronik J1939 Simulator board. See the [link](https://www.ozenelektronik.com/j1939-obd-ecu-simulator-p.html) for more details.

**Console and UART communications with the G3**

Ensure that the Debug interface is connected to the G3 as well as the Console. Inside the G3 VM, connect com0 and com1 using terminals for each connection. See G3 related documentation for details on setting up these connections.

**Setup the G3**

To prepare the demo - connect the Ozen J1939 simulator using the 6 pin cable for the G3 (p/n 23-0146-10) and the appropriate CanBus signals.

**Run the CanBus application**

The CanBus project can be found in the ReachTech Git site in this set of projects - [Sample apps](https://github.com/jmore-reachtech/reach-g3-qt5-sample-apps).

Load the CanBus app into Qt Creator.

**Running the demo**

With the J1939 Simulator connected, the display on the G3 will show the Tach, Speed, and Acceleration values from the J1939 simulator.