

# CANdbLib

## Programming Interface for Access to CAN Databases

The development of distributed ECU networks is based upon a structured description of the networking and the communication relationships. CAN networking data is exchanged between project participants in DBC format. The CAN networking data is available from the relevant manufacturers for nearly all motor vehicles in the world.

### Features and Advantages

Vector is offering the CANdbLib access library so that providers of measurement systems can also realize the advantages of CAN databases in their own tools. CANdbLib is a developer license package consisting of the CANdbLib classes library (DLL), the CANdb Editor, and five run-time licenses. Licensing packages with additional run-time licenses can be obtained up on request.

### Defining Information

The CAN databases contain all of the relevant data for a networking project such as the communication nodes in the network, the CAN messages and signals transmitted in the messages with their positions, numbers of bits, physical units, and linear conversion formulas.

The CAN databases are frequently set up with the CANdb++ tool, which is an integral component of Vector's CAN tools.

### Functions

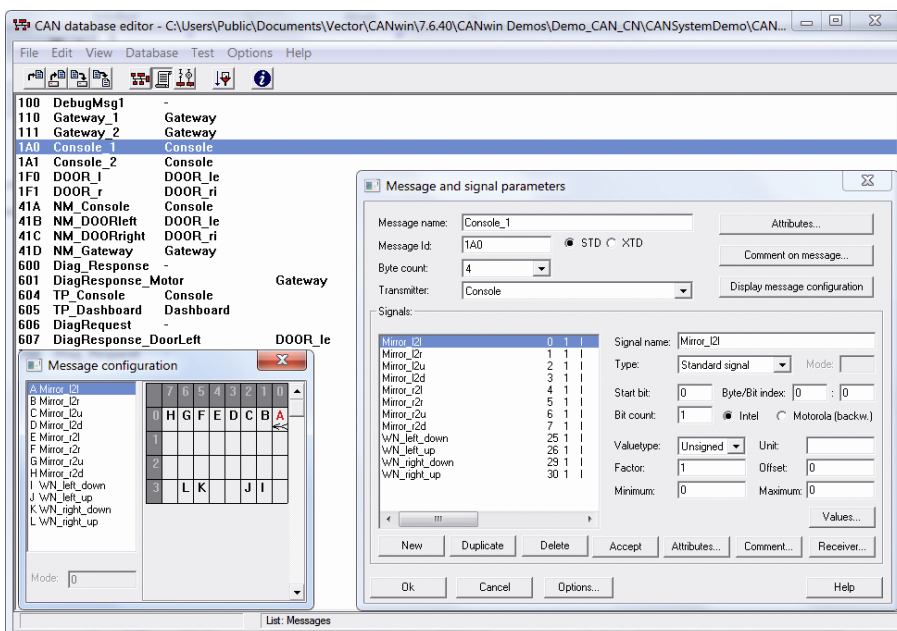
The CANdbLib provides functions via C++ classes for reading the information from CAN databases and using it in software tools.

Other functions are also available, e.g. functions for decoding signals from the CAN messages and converting them to physical values. Measurement signals can be easily interpreted according to the description in the .dbc file and be displayed in a user-friendly way.

You can very quickly set up your own databases for test purposes using the Windows dialogs of the CANdb Editor.

### Product components

- > CANdb Editor for Windows XP/Vista/Windows 7
- > Class library for Microsoft Visual C++ 8.0/9.0/10.0 under Windows XP/Vista/Windows 7
- > 5 run-time licenses



Data in a CAN database displayed via CANdb Editor