

CAN Monitor App for macOS®

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The MacCAN Monitor App is a little demo program to show the functionality of the PCBUSB library: the macOS® Library for PCAN-USB interfaces.

MacCAN Monitor App for PCAN-USB Interfaces

The program displays received CAN messages in a table view. Furthermore it is possible to send single standard CAN messages with 0 to 8 data bytes.

Limitations (Demo Program):

- CAN channel and CAN bit rate must be chosen once the program is started; they cannot be changed afterwards.
- PCAN-USB FD devices can only be operated in CAN Classic mode (CAN 2.0).
- The size of the table view is limited to 1024 rows.
- The size of the trace file is limited to 100K frames.

macOS® Library for PCAN-USB Interfaces

The dynamic library libPCBUSB is running under macOS 10.13 and later (Intel architecture and Apple silicon). The API is almost compatible to PEAK's PCANBasic DLL on Windows. See the MacCAN website to learn more.

Supported Devices

Only the following devices from PEAK-System Technik are supported:

- ✓ PCAN-USB (product code: IPEH-002021, IPEH-002022)
- ✓ PCAN-USB FD (product code: IPEH-004022)

Required Library Version

- ✓ The minimum required library version is v0.9 (Build 902 of June 25, 2020), but *Latest is Greatest*.

Known Bugs and Caveats

- For a list of known bugs and caveats see tab Issues in the GitHub repo.
- For a list of known bugs and caveats in the underlying PCBUSB library read the documentation of the appropriated library version.
- PCAN-USB Pro FD devices are supported since version 0.10 of the PCBUSB library, but only the first channel (CAN1).
- Apple's M1 chip is supported since version 0.10.1 of the PCBUSB library (Universal macOS Binary).

This and That

→ The PCBUSB library can be downloaded from the MacCAN download server (binaries only). Please note the copyright and license agreements.

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Installation

1. Download the PCBUSB Library and run the `install.sh` script in a terminal session. Make sure that you have write permission to `/usr/local` folder
2. Download the MacCAN Monitor App, open the disk image and drag-and-drop the program icon to your Applications folder (or any other folder you like).

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Credits

- Toolbar icons by Oxygen Team (GNU Lesser General Public License)
- Apple M1 support by Sebastião Beirão (<https://github.com/sebashb>)

Hazard note

- ⚠ Do not connect your CAN device to a real CAN network when using this program, this might damage your application.

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