CAN Programmer Tool Setup

System Requirements:

1. Operating system Windows 11 (x64/ARM64), 10 (x64), or Linux
2. A USB port (USB 1.1, USB 2.0, or USB 3.0)
3. A USB port at a USB hub

1) How to download EVOLVE CAN Programming Software:
   a. Download J1939 Options Programmer here: <Download>
   b. Download CAN Open Options Programmer here: <Download>
   c. Unzip **a** or **b** to a folder depending on the joystick configuration

2) PCAN Software is required for the function of the joystick options tool:
   a. Download the PCAN-USB device drivers and PCAN-view here: <https://www.peak-system.com/PCAN-USB.199.0.html?&L=1>
   b. PCAN-USB and PCAN-View User Manual: <https://www.peak-system.com/produktcd/Pdf/English/PCAN-USB_UserMan_eng.pdf>

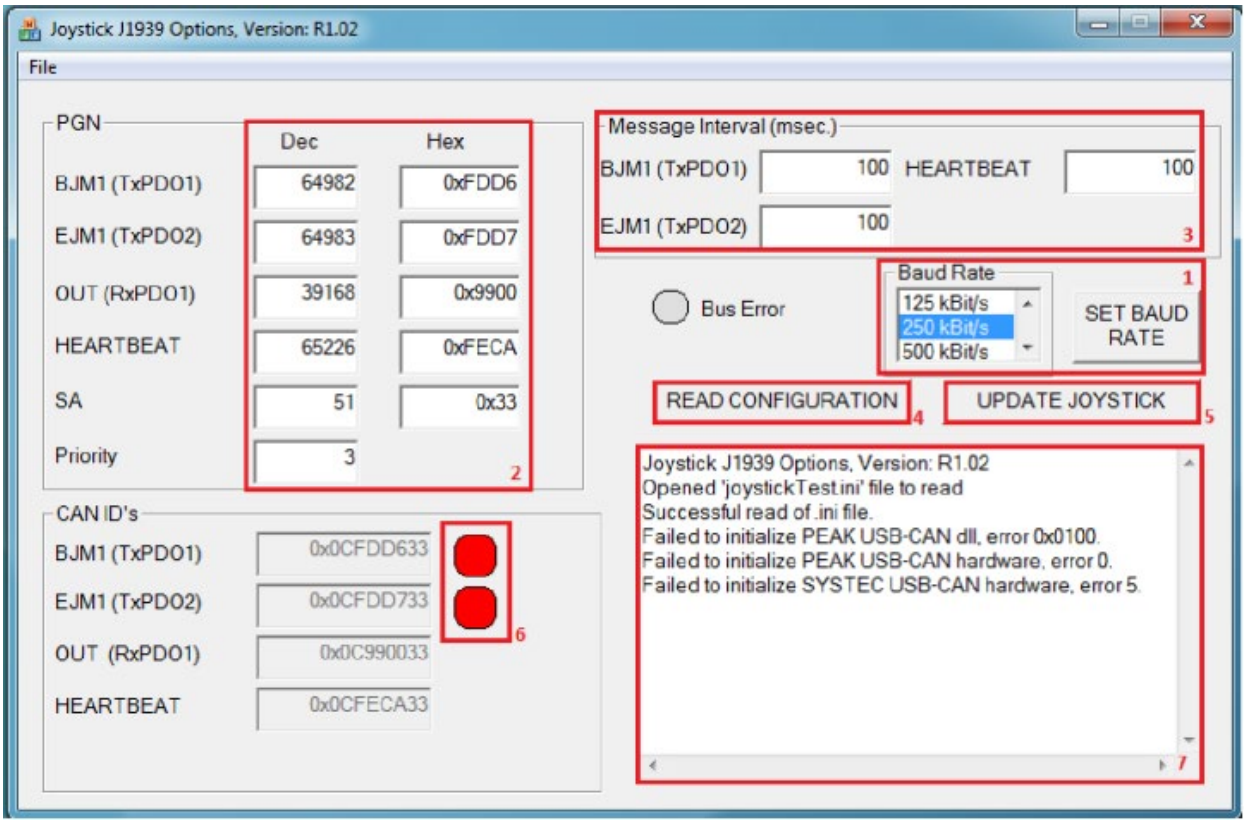
3) Run joystick options e.g. unzipped in step **1c.**

4) LED status on the PCAN device:

   Solid=ON: The device is connected to the computer and is working
   Slow Blink: Software is connected to the joystick
   Rapid Blink: Joystick is receiving data

5) For joystick CAN configuration follow the instructions on page 2.

CAN Programmer Tool Instructions



1. Users **must** match the joystick's baud rate to establish a connection. The device's baud rate is specified in the CAN device datasheet. Alternatively, use the PCAN-view program to cycle through different baud rates until a connection is established. **NOTE: A baud rate will be required to change the joystick configuration.**
2. Adjust joystick data output by changing addresses and priority. Changes can be made in either the hex or decimal columns and will automatically propagate to the other.
3. Set the transmission rate (in milliseconds) for the joystick to transmit data to the connected system.
4. Click the "read configuration" button to scan the currently connected device and populate the joystick's configuration within the program. **NOTE: The program will not read data until the correct baud rate is set.**
5. Click the "update joystick" button to apply the current configuration to the connected joystick, overwriting any existing data. **NOTE: The previous configuration will be deleted.**
6. Identify device status with indicator lights:
    a. Red indicates the device is not detected.
    b. Green indicates the device is connected and transmitting data.
7. The text box provides detailed information on device properties upon selecting items 4 and 5. Any incidental faults or program errors will also output to this text box.