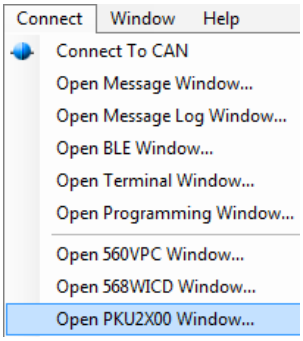
Quick Reference Sheet

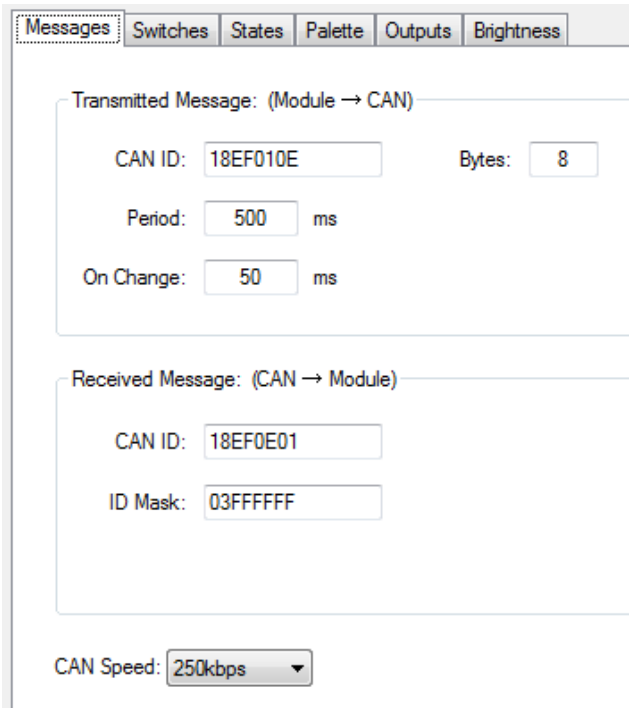
HMI Systems - CAN Create v2

Create a CAN Protocol for PKU Switchpack

- ☐ Connect → Open PKU2X00 Window
- ☐ Select Messages tab for
  - CAN IDs
  - Message length
  - Message rates
  - Baud rate

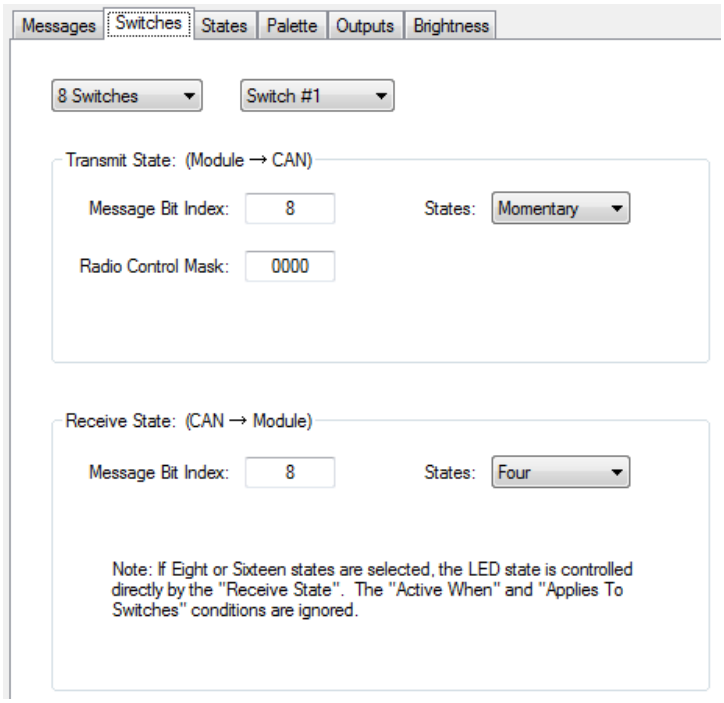


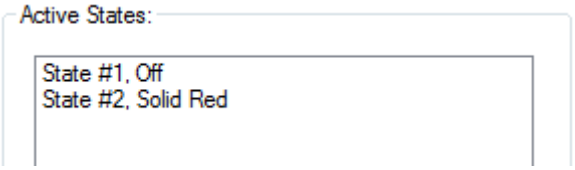
- ☐ Below is an example of Peer To Peer J1939 CAN IDs
- ☐ Switchpack has source address 0E
- ☐ Controller has source address 01



Configure Switch States

- ☐ Select Switches tab to configure
  - Number of switches on device
  - CAN start bit position for each switch (Tx/Rx)
  - Momentary/Latching (2, 3, or 4) states





- ☐ On the right side of the Switches area you can view the active states of each switch
- ☐ The image below shows the state configuration for each switch

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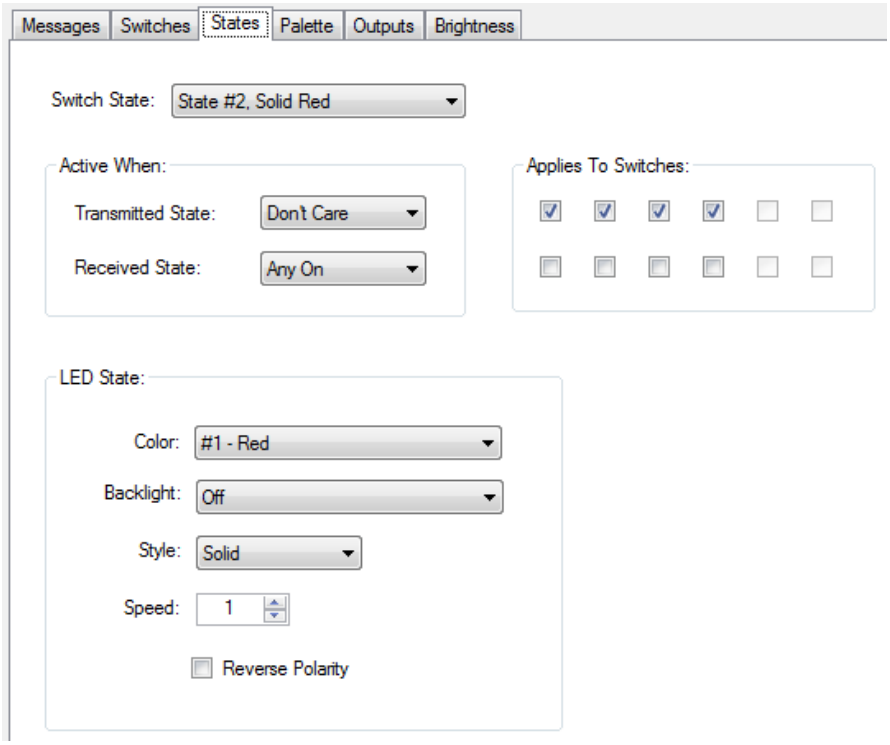
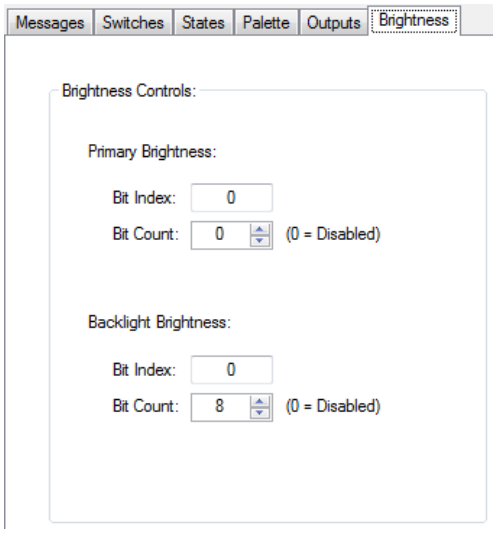
Configure Switch States (cont...)

- Select States tab to
  - Connect states to buttons
  - Configure when states are activated
  - Configure LED properties for each state

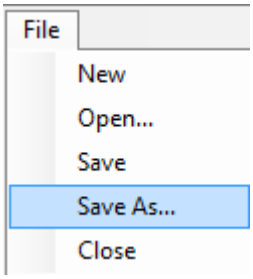


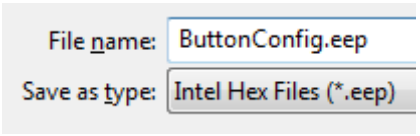
Brightness Settings

- Individual brightness control for the normal and backlight states of the LEDs
- Set bit position and length for each



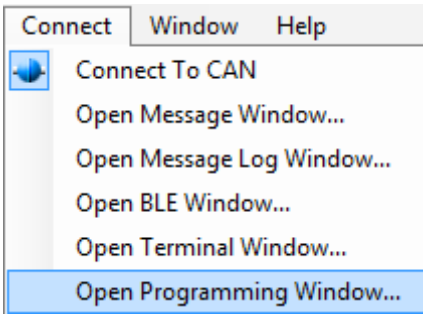
Save Configuration

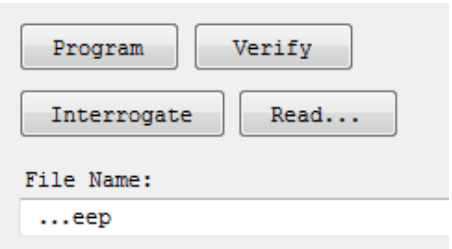




- Save configuration as a .eep file to load onto the switchpack

Program the Module





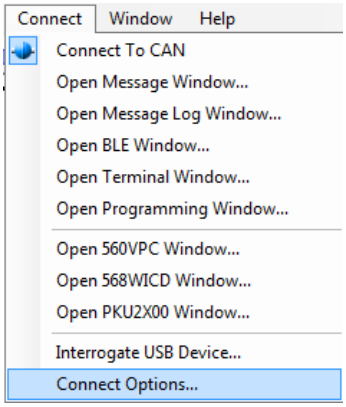
- Verify - Checks device/config compatibility
- Interrogate - Check firmware on device
- Program - send configuration to device
- Read - Pull configuration off device

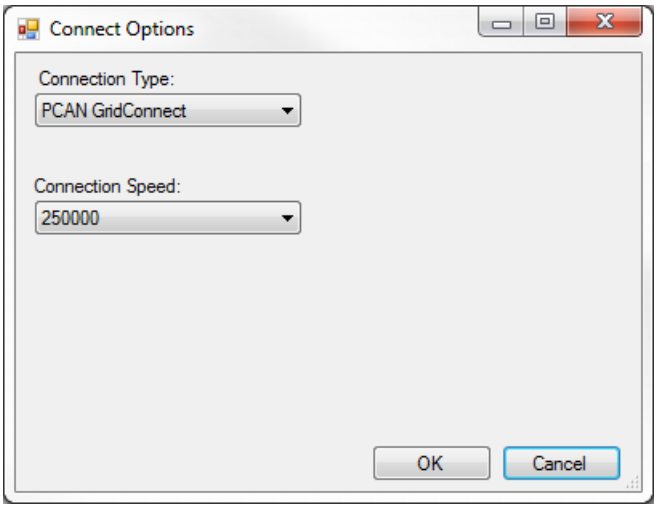
Quick Reference Sheet

HMI Systems - CAN Create v2

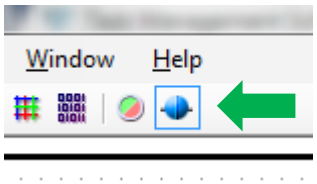
Connect to CAN

- ☐ View the Connect Options to verify your CAN connection

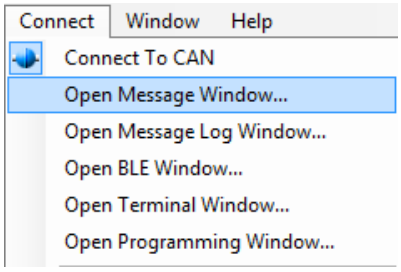


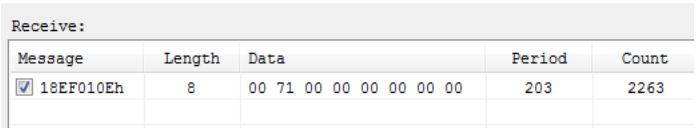


- ☐ Make sure the connection status indicates that you have an active connection (blue border)



View CAN Traffic - Verify Configuration





- ☐ View the active CAN traffic from the switchpack
- ☐ CAN data should change as buttons are pressed
- ☐ The controller will need to interpret this message and send a response message to activate the LEDs
  - See sections “Create CAN Protocol…” and “Configure Switch States”
- ☐ The lower section of the Messages window can be used to send CAN messages back to the switchpack to simulate a response to active the LEDs.