

Bowser Electronics

OBD-121 EEPROM Demo Application

This application is meant to provide the user an example of a simple interface to communicate with the OBD-121 and verify/change EEPROM settings.

The program begins by initializing the Com Port (default is Com 1 and can be changed in the program if necessary) and reading all system command values and EEPROM values and displaying them as shown. If there are more than 2 communication errors during startup, the application alerts the user and stops trying to communicate with the OBD-121.

The screenshot shows a window titled "Scanner EEPROM" with two main sections: "Converter Status" and "Converter EEPROM".

Converter Status:

- Firmware Version: 0121
- Current Protocol: 02
- Init Response: 486B104100BE7FF811FF
- Online Status: 40

Converter EEPROM:

	Hex	Decimal	
0x10 ISO Target Address	33		
0x11 Scantool Address	F1		
0x12 Max Msg Length	0C	12	
0x13 Max Num of Replies	20	32	
0x14 RS232 Delay	0A	4.096	mSec
0x18 ISO9141 Bus Idle Time	3C	6.291	Sec
0x30 User Keep Alive Msg		00	

0x15 Option Flags: 00

- Enable Startup Ext Codes
- Enable Auto CRC Append
- Disable Auto Protocol Select
- Disable Auto ISO Keep Alive
- Enable User Keep Alive Msg

0x16 Message Separator: FF

0x17 2nd Separator Enable: 0C

- Enable on PWM
- Enable on VFW
- Enable on ISO-9141
- Enable on ISO-14230

Buttons: Refresh Data, Default EEPROM, Exit

All settings in the Converter EEPROM frame may be changed by clicking on the value of the item to be changed. When the mouse moves over a setting that can be changed, the pointer changes to a straight up arrow pointer from the normal pointer. Enter data as instructed and click 'OK' to change or click 'Cancel' to abort the operation. The check boxes have no prompt and change immediately upon clicking then. Where there are multiple paths to make a change, changing any will update the others.

Click 'Refresh Data' to update all fields on the screen.

Click 'Default EEPROM' to set changes back to factory values.