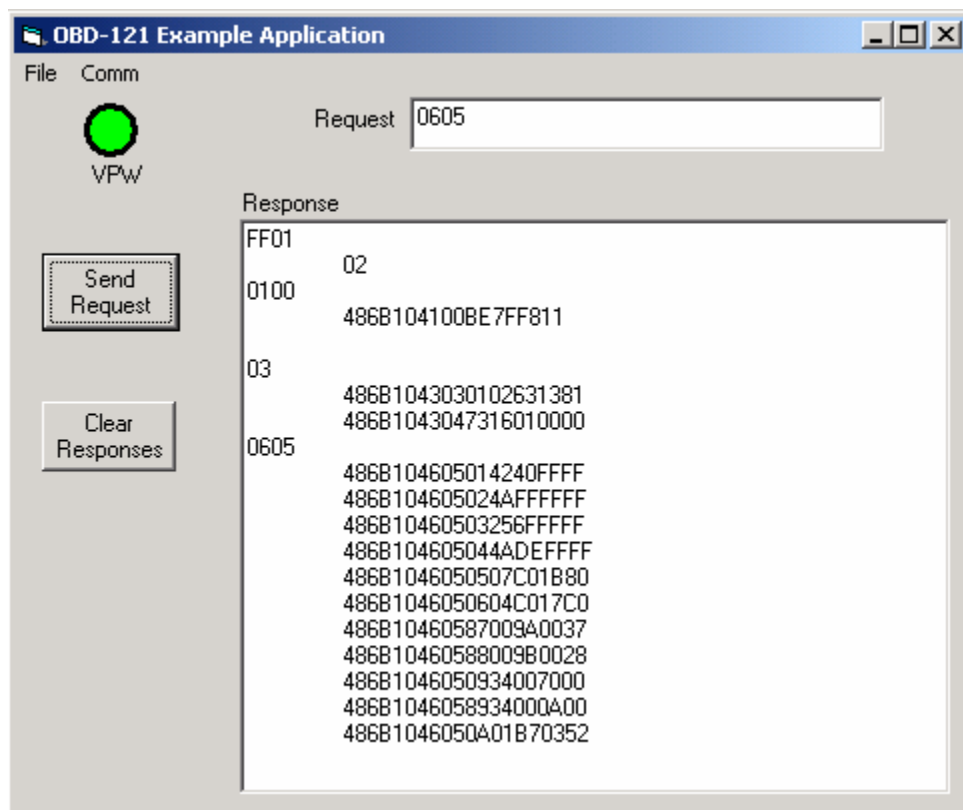


Bowser Electronics

OBD-121 Demo Application

This application is meant to provide the user an example of a simple interface for vehicle communication. As such, it provides limited functionality and only system command and SAE J1979 message transmission capability. Other message formats are easily implemented by the end user through custom programming.

The program begins by initializing the Com Port and testing for communication with the OBD-121. The Com Port can be changed manually using the 'Comm' menu. Communication with the vehicle can not take place until the program knows what vehicle network type it is connected to. System commands will always be passed to the OBD-121 regardless of vehicle connection status. Once the vehicle is online, the indicator in the top left of the screen will show green and below will display the network type. The vehicle is now ready to communicate with the OBD-121.



Requests can be entered in the 'Request' box at the top of the screen. Enter requests in two character HEX format only (i.e. 010A for Mode \$01 PID \$0A). Requests must not include header bytes or crc/checksum bytes. These are automatically added by the program. This can be changed by changing the message type when sending requests (see the sample code for more details). Once the request is entered, click 'Send Request' to transmit your message. The request and any replies received will be displayed in the 'Response' box. The 'Response' box is open to editing so you can type notes as you go, if needed. To clear the 'Response' box, click 'Clear Responses'. Use the 'File - Save' menu to save the 'Response' box as text file.