

Instructions to read and save SEANAV EEPROM contents 04/22/2014

The batch file "EEPROM_READ_V120.KGN" will read and save SEANAV EEPROM contents.

NOTE: The default communication for the batch file is 115kbps, odd parity. This setting cannot be changed.

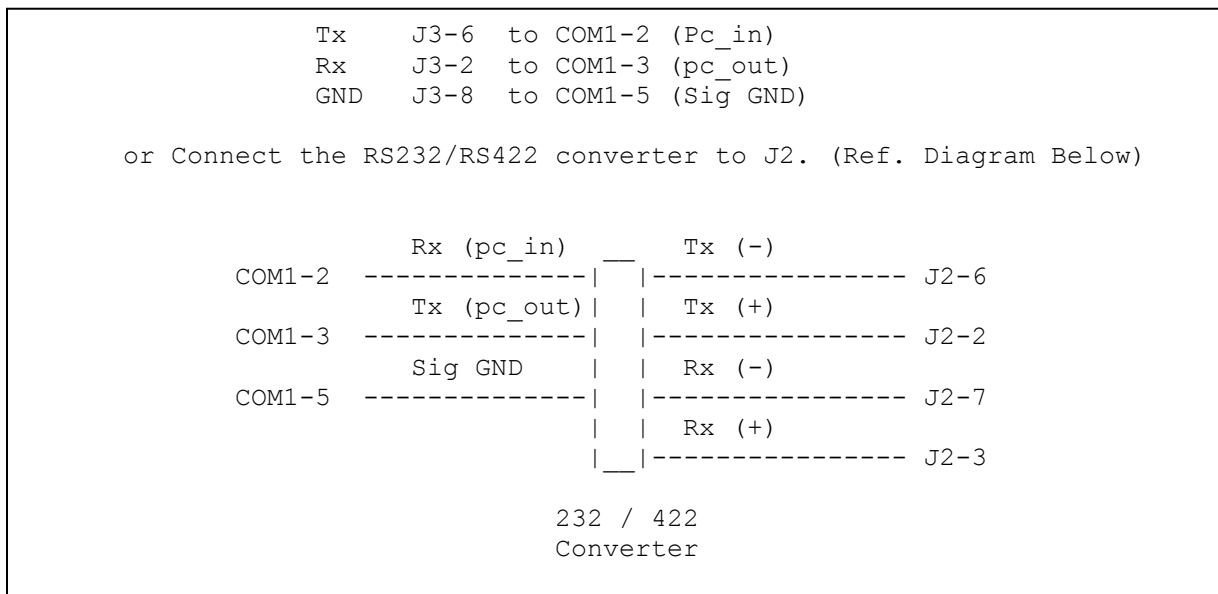
Equipment Required:

- Computer with available COM port
- Minimum Operating software: Win XP
- Power supply and associated cables

The procedure of loading is as follows:

1. Create a folder and copy the files listed into it:
 - WINBOOT.EXE
 - README.PDF (this file)
 - EEPROM_READ_V120.KGN
 - Y254M208 WINBOOT Manual.pdf (For Reference Only)
2. Connect PC COM Port to the any available serial channel of the end-item.

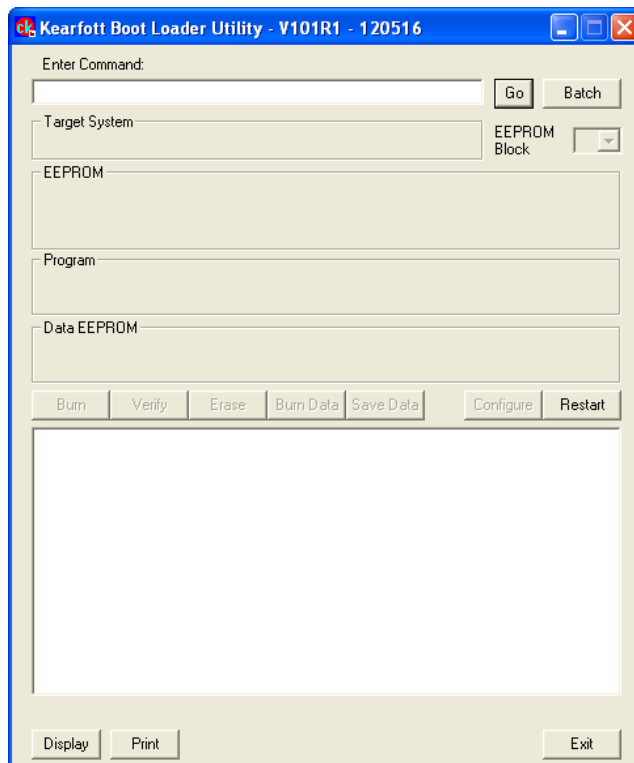
(Reference Drawing for RS232 channel)



3. With the end-item power off, launch WINBOOT by double clicking on "WINBOOT.EXE" in the PC directory.

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4. WINBOOT will present a main screen:



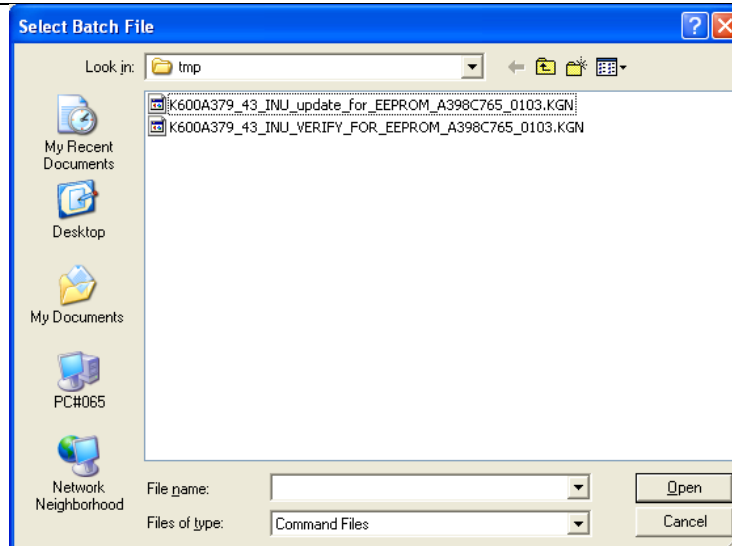
WINBOOT Main screen at start

5. The batch file is started with pressing the 'Batch' command button and available batch files are seen.

The "EEPROM_READ_V120.KGN" batch file is for reading and saving the SEANAV EEPROM contents.

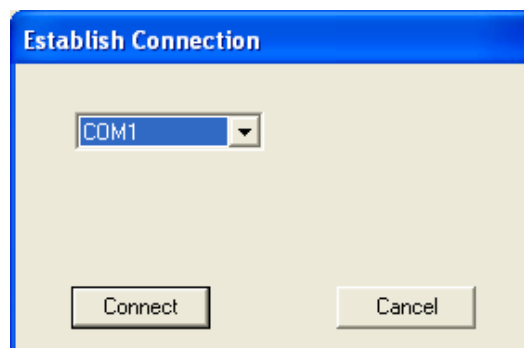
Double click on the batch file to be executed.

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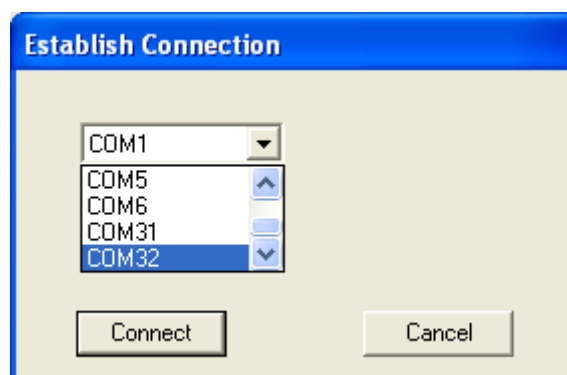
Batch Files (.KGN) Selection Screen

6. A pop-up window will display the currently selected PC serial port (COM1 in this example).



Connection Pop-Up Window

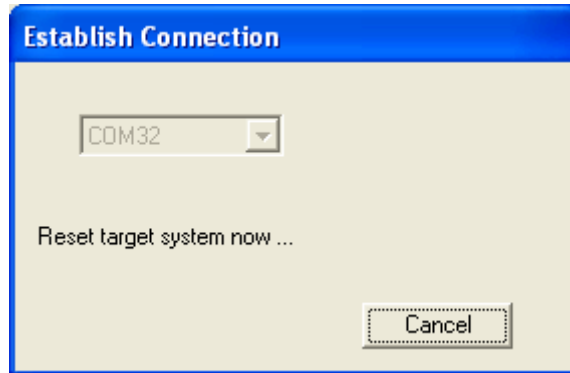
The pull-down arrow will show all serial ports that may be used and allow selecting a different port if required.



Connection Pop-Up Window Serial Port Pull Down

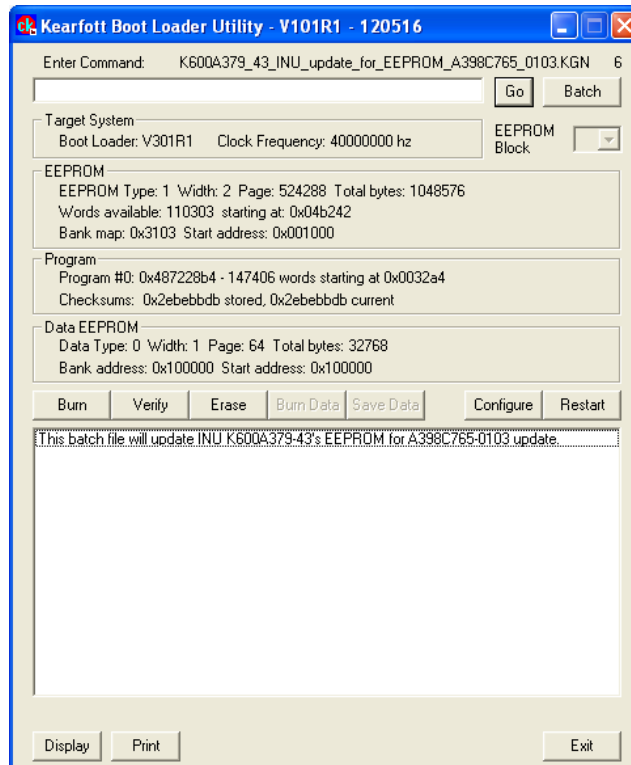
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When the selection is correct (COM32 in this example), click on the 'Connect' button. The program will display a message to start the target system and will wait until that happens. Apply power to the INU.



Reset target system Display

6a. As soon as communication is established, WINBOOT will get status information from the Target (INU) and display it in the Target Status area. The batch file execution will start (Display area updated with "This batch file will....")



Communication established with the INS

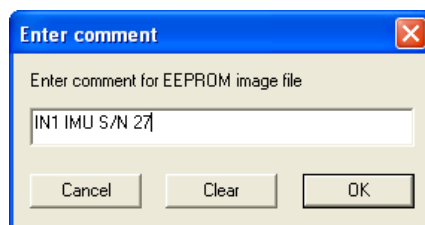
If WINBOOT fails to get a response from the target system at **ANY** time, it will gray out the Target System area (see the "WINBOOT Main Screen at Start" illustration on the first page). This is a sign that communication with the target

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has been lost for some reason. **WAIT** about 2 minutes to insure any operation being performed by the INU computer is completed. Remove power from the INU, exit the WINBOOT program and restart from the beginning.

7. There is an operator action required near the middle of the batch file:

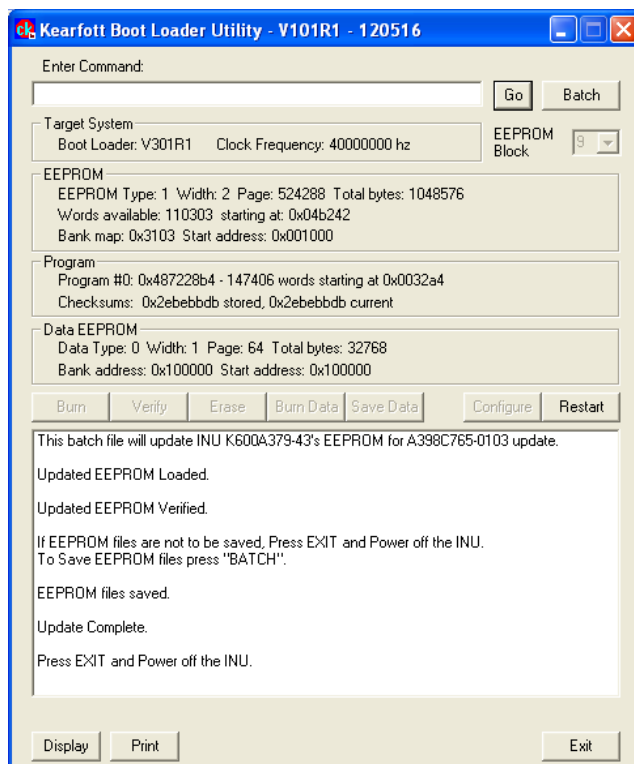
"To Save EEPROM files press Batch and enter comment for EEPROM image when prompted."



Enter Comment Pop-up Window

7a. It is recommended to include the part number and the INU serial number (27 in this example). If one or the other is not known, enter the information that is available. The field is 80 characters wide. Enter the comment and click on "OK."

The EEPROM files will be stored in the same directory as the WINBOOT program. The files will be saved with Extensions *.A0? (where ? ranges from 0 to 6) & *.BIT; The eight files saved should be sent to Kearfott for further analysis.



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WINBOOT Main screen following completion of the Batch file

8. When prompted (Press EXIT and Power off.), press Exit and remove power from the INU. Disconnect the PC from the INU.