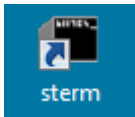
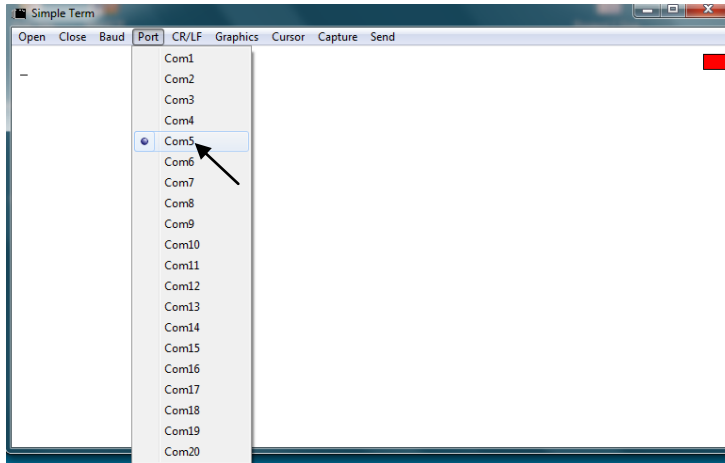


Using Simple Terminal **STerm.exe**

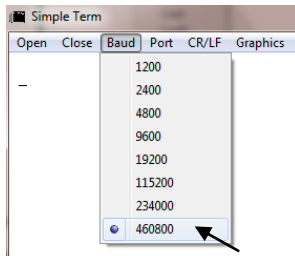
- Open the Mini_CT folder
- Right click and copy **stern.exe**
- Past a short cut to the desktop and double click to start stern



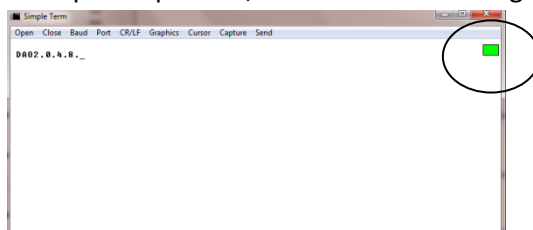
- Select the serial port number of your device using the **Port** drop down menu



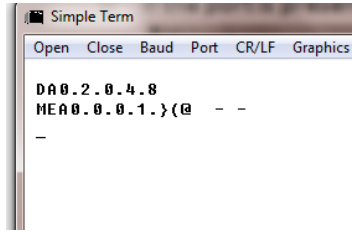
- Select the baud rate using the **Baud** drop down menu to 460800



- The program defaults to 8 data bits, one stop bit and no parity
- If there is no native serial port, connect your USB to serial converter or device to the computer
 - It may take a while for the device to be recognized
- Click the **Open** menu item
 - If the port is present, the red box will turn green indicating the port was opened



- Using Sterm for Mini_CT testing
 - Use for loop back testing of the USB to serial device
 - To send commands to Mini_CT, set the caps lock on
 - Review the Mini_CT Commands document
 - Returned data is binary and the terminal interprets the received bytes as ASCII codes. Only ASCII characters are displayed.
 - Use Set commands, such as DA02048, for Mini_CT serial port testing. The result of the command is observable with a voltmeter connected from GND to Collector.



- Sterm has additional features such as simple graphing commands that can be used to display or graph data from other micro controller projects
 - Sterm control characters
 - Ctrl-M= Char(13) Carriage Return
 - Ctrl-J =Char(10) Line Feed
 - Ctrl-H=Char(8) Back Space
 - Ctrl-L =Char(12) Form Feed
 - Clears Screen and Homes Cursor
 - Escape sequenced <esc> = char(27)
 - <esc>Cxxxxyy
 - Move character cursor to column xxx and line yyy
 - Where xxx and yyy are three digit integers
 - <esc>Mxxxxyy
 - Graphics must be Checked On
 - Move graphic to position xxx and yyy
 - Where xxx and yyy are three digit integers
 - <esc>Lxxxxyy
 - Graphics must be Checked On
 - Draw line from last position to point xxx and yyy
 - Where xxx and yyy are three digit integers
 - Example char(27)+"M100200"+char(27)+"L300400"
 - Draws a line from 100,200 to 300,400