

## Vega Products Flash Programming Instructions

- 1) Copy all included files into a directory on your PC, if they are zipped, extract them into this directory
- 2) Windows 95 or greater is required
- 3) From the Start->Run, or Windows Explorer, menu run the file "winmon.exe". This file needs to be run only one time on a particular PC. It registers the drivers to communicate with the Vega products
- 4) Either on the desktop or from the taskbar editor, add a shortcut to the program "flashmon.exe". Alternately it can be run from the Start->Run menu as well. The dialog box contains a few options that can be used.
- 5) The first step is to put the device to be reprogrammed into programming mode. This is done by first removing power from the unit.
- 6) The upper left corner of the Flashmon dialog box has a pull down menu for setting the baud rate. The following products require these baud rates:

DSP-223:	19200
C-2002:	19200
C-1610:	9600
- 7) With a straight through cable connected from the PC's Com1 port, (Com1 is the only option as of now) click the "Power On" button in the dialog box and then apply power to the device to program.
- 8) After a couple seconds, the message "Power is On" will appear in the message window of the dialog box. This indicates that communications has been established with the device and that it is now ready to accept a software download.
- 9) Click on the "Program..." button. Find the file for the version of software to be flashed into the device.

xxxxxx.BNM – Version x.x of code for the device

Double click or select the file and open it to begin the download process.
- 10) When the programming is completed, remove power from the Vega device and reconnect it to load the new code.
- 11) The verify button can be used the same way as the "Program..." button but it does not write to the flash, only verifies it.