

Firmware update procedure (PIC).

The following procedure details the method of upgrading the PIC firmware in the BM-AI-64DANTE.

Current firmware version: v2.02 (filename Bel0042_PIC_V202.hex)

Required software and hardware

- 1) HIDBootloader.exe (Windows) - This is the bootloader utility that will upload the firmware into the BM-AI-64DANTE. This is available from the Bel support page: <http://www.beldigital.com/support.php>
- 2) USB cable (the rear panel USB socket on the BM-AI-64DANTE is USB B-Type).

Procedure

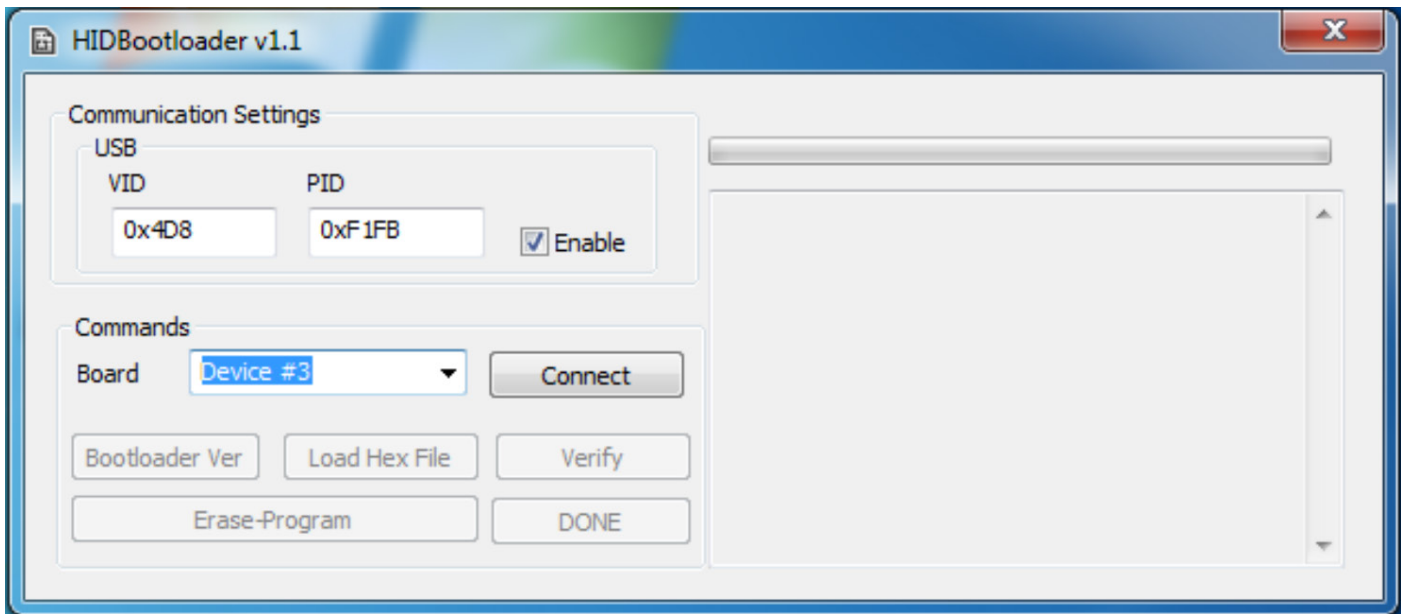
- 1) Connect the USB cable from your computer to the BM-AI-64DANTE.
- 2) Power the BM-AI-64DANTE into bootloader mode.
To do this, press and hold the MUTE and CLR buttons while applying power to the unit.



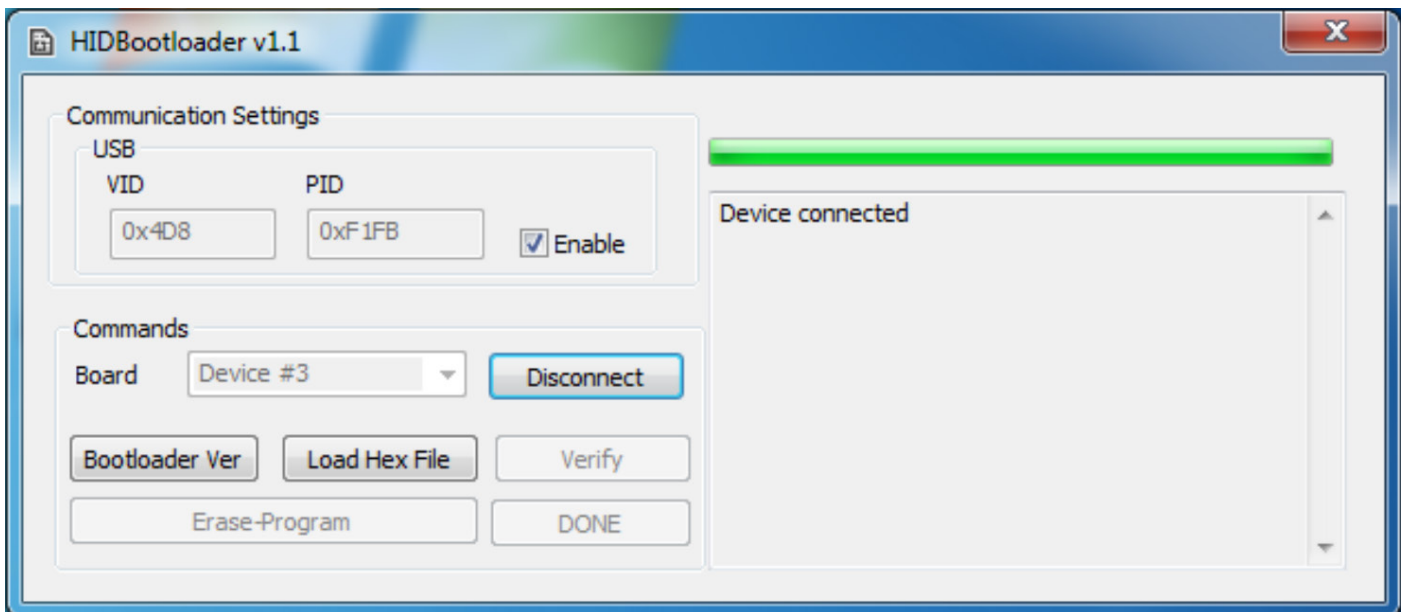
- 3) Bootloader mode is confirmed by the PRESET 1 and CLR green LEDs alternately flashing.



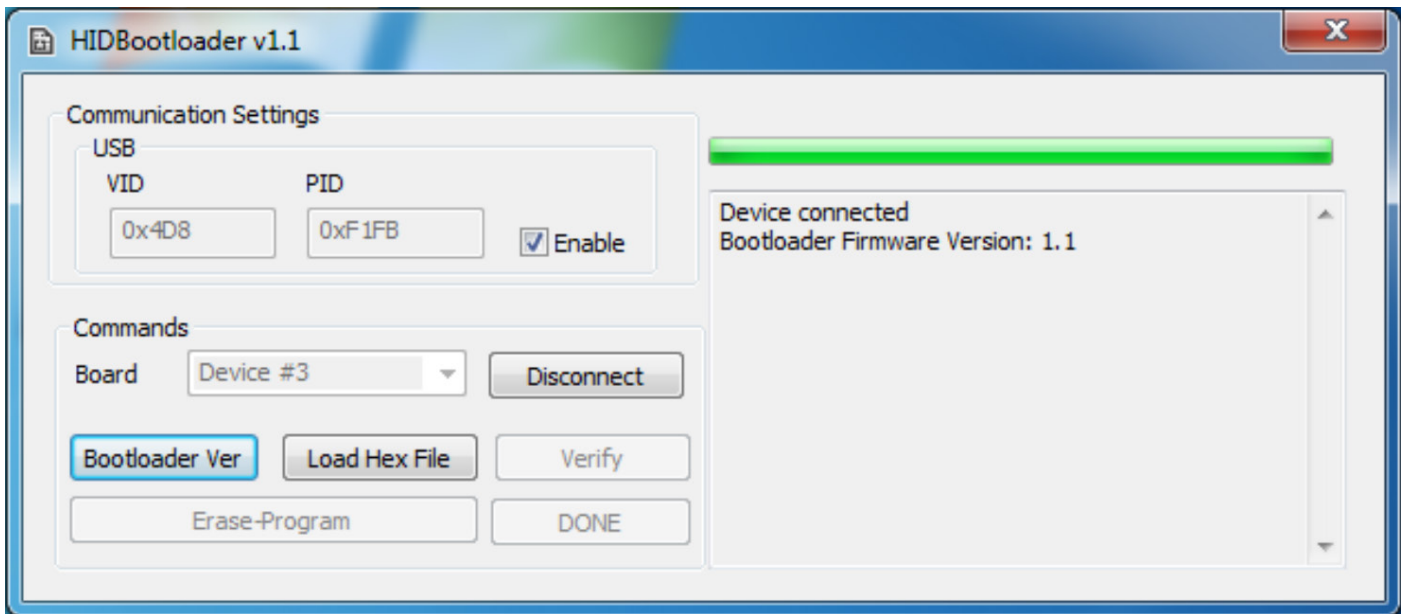
4) On your Windows PC (or Mac if using dual-boot or Parallels etc), run HIDBootloader.exe



5) In the Commands > Board field, select **Device #3** from the pull-down menu and then press the **Connect** button. If communications is active then **Device connected** will be displayed.

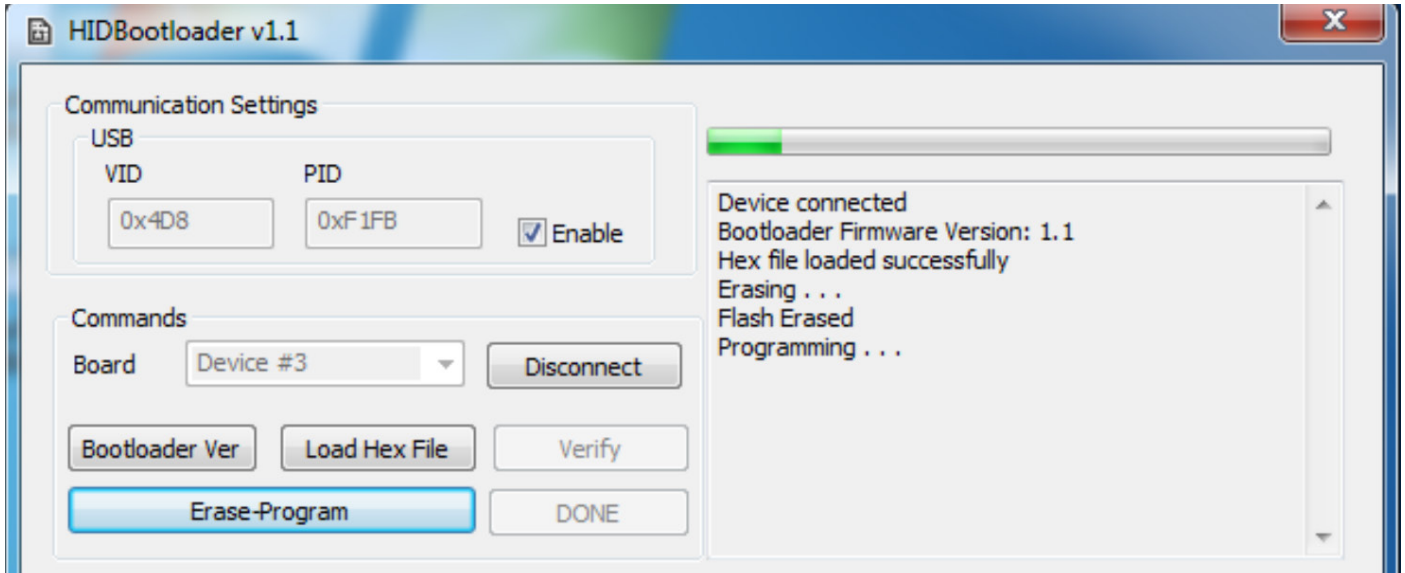


6) Optional: Select the **Bootloader Ver** button to view the bootloader version (it would currently be v1.1)

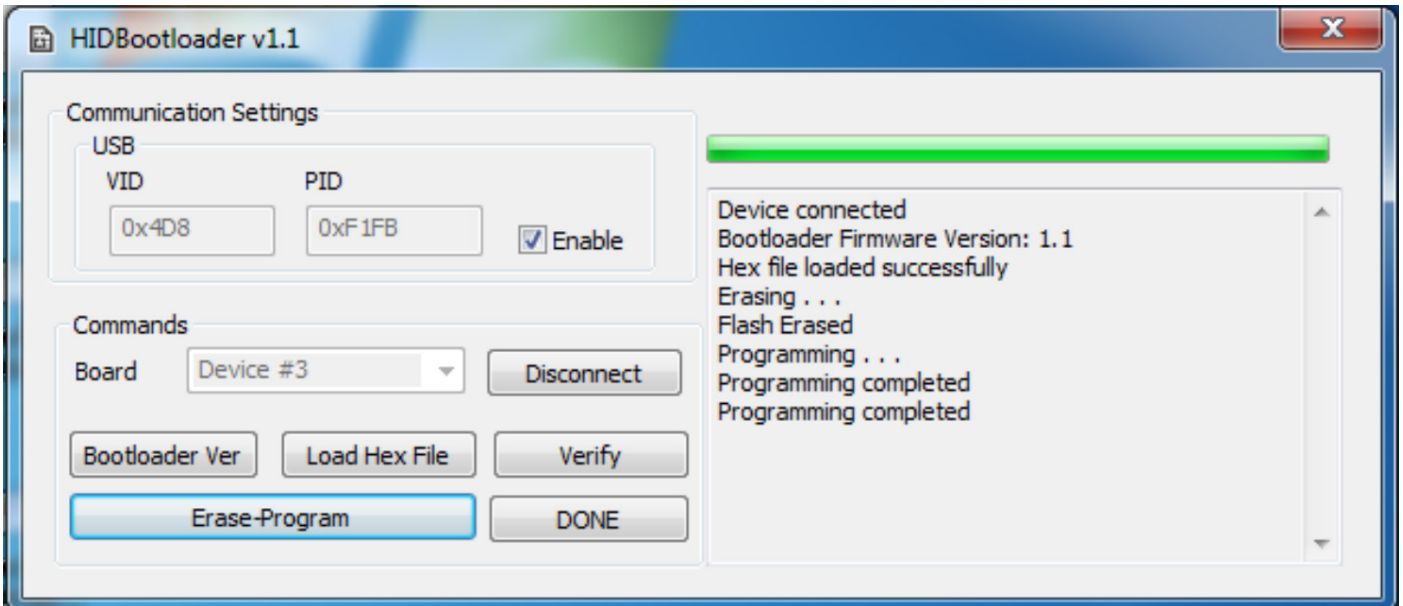


7) Load the Hex file by pressing the **Load Hex File** button. Select the file Bel_64DANTE_PICV128.hex in the usual manner.

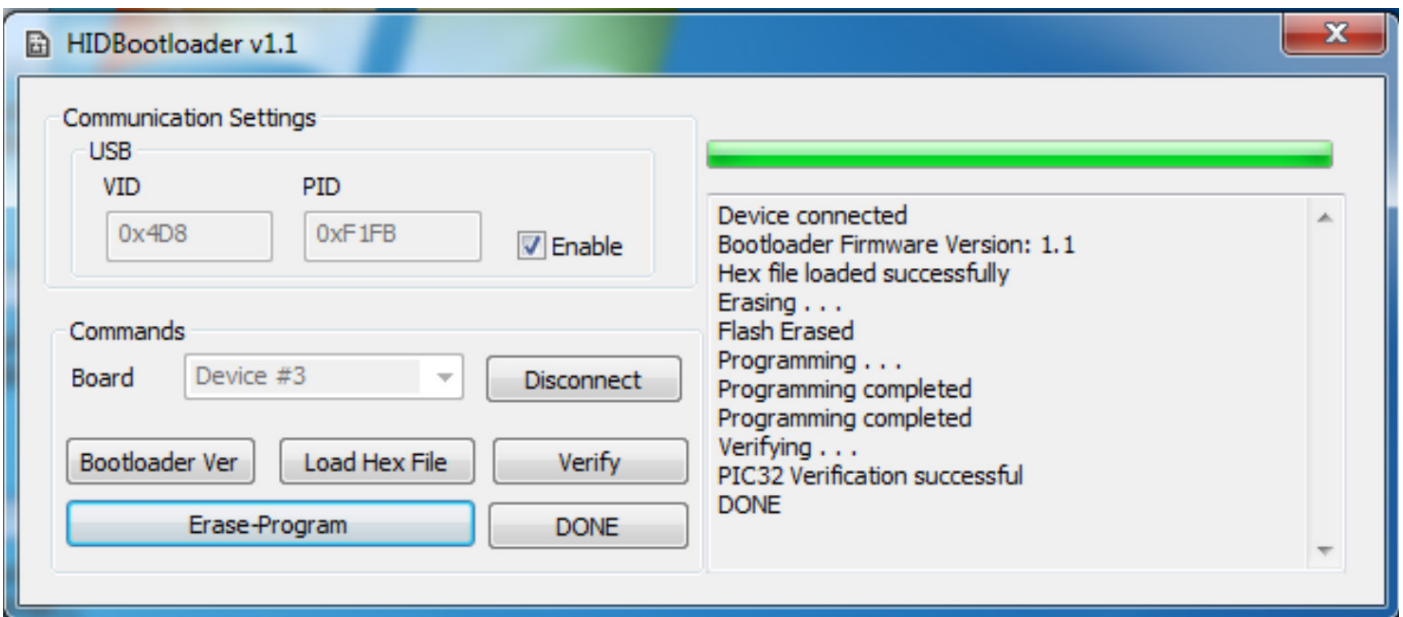
8) Once loaded (the message **Hex file loaded successfully** will be displayed) press the **Erase-Program** button to start the update process.



9) Once complete the window will display the message **Programming completed**.



10) You can verify the program by clicking on the **Verify** button. Once confirmed you can press the **DONE** button to finish the process.



11) Power-cycle the BM-AI-64DANTE.

12) Installation complete.