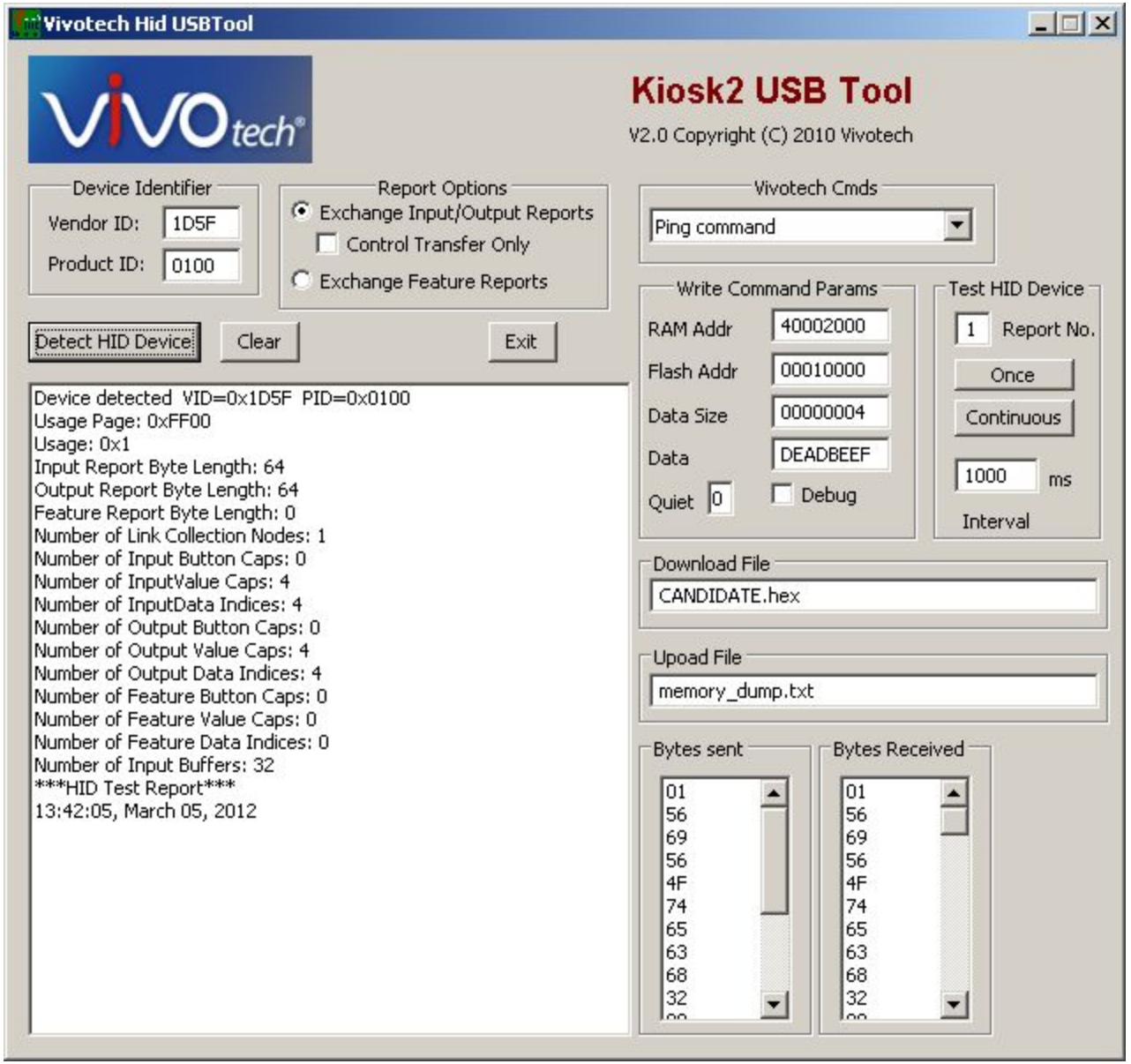
How to Download the Firmware image over the USB

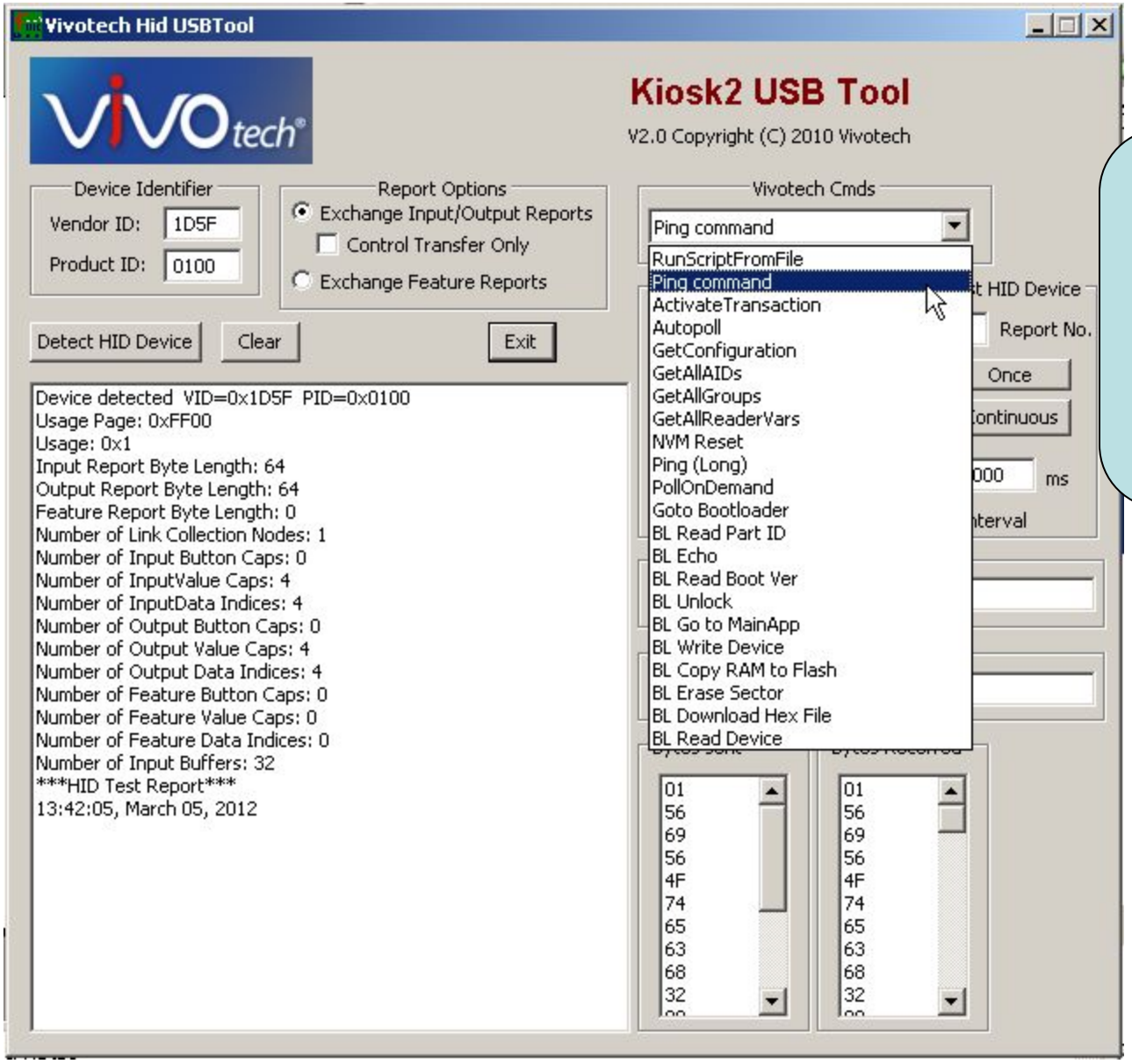
5/28/2015

Overview of Kiosk2 tools and firmware

- HidApp.exe – the tool that is used for firmware download (Provide this tool to customer as reference only.)
- Two components of the Firmware
  - File Loader –is a main image that can overwrite the Bootloader.
  - Application Image – this is an image of the firmware that is downloaded over the USB interface. This image makes calls to the USB drivers that are contained in the boot-loader.
- Load file order:
  1. File Loader file. (EC8_FL_1_0_1_w_EC9_BL_x_x_x.hex)
  2. Main Image. (EC8_GR2_x_x_Cxx_-rxxxx.hex)

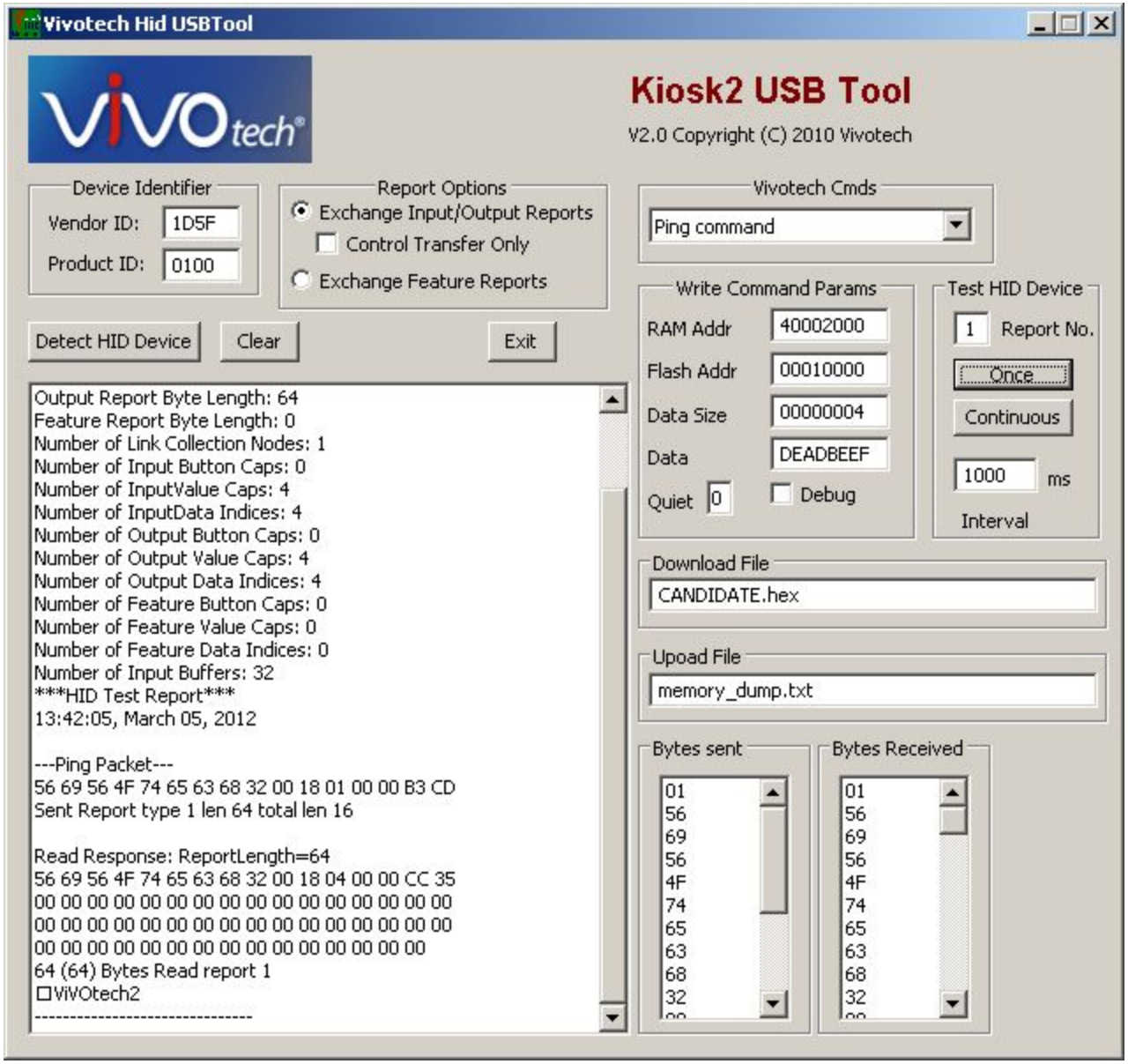
Connect the reader using the USB interface.. Click on “Detect HID Device”

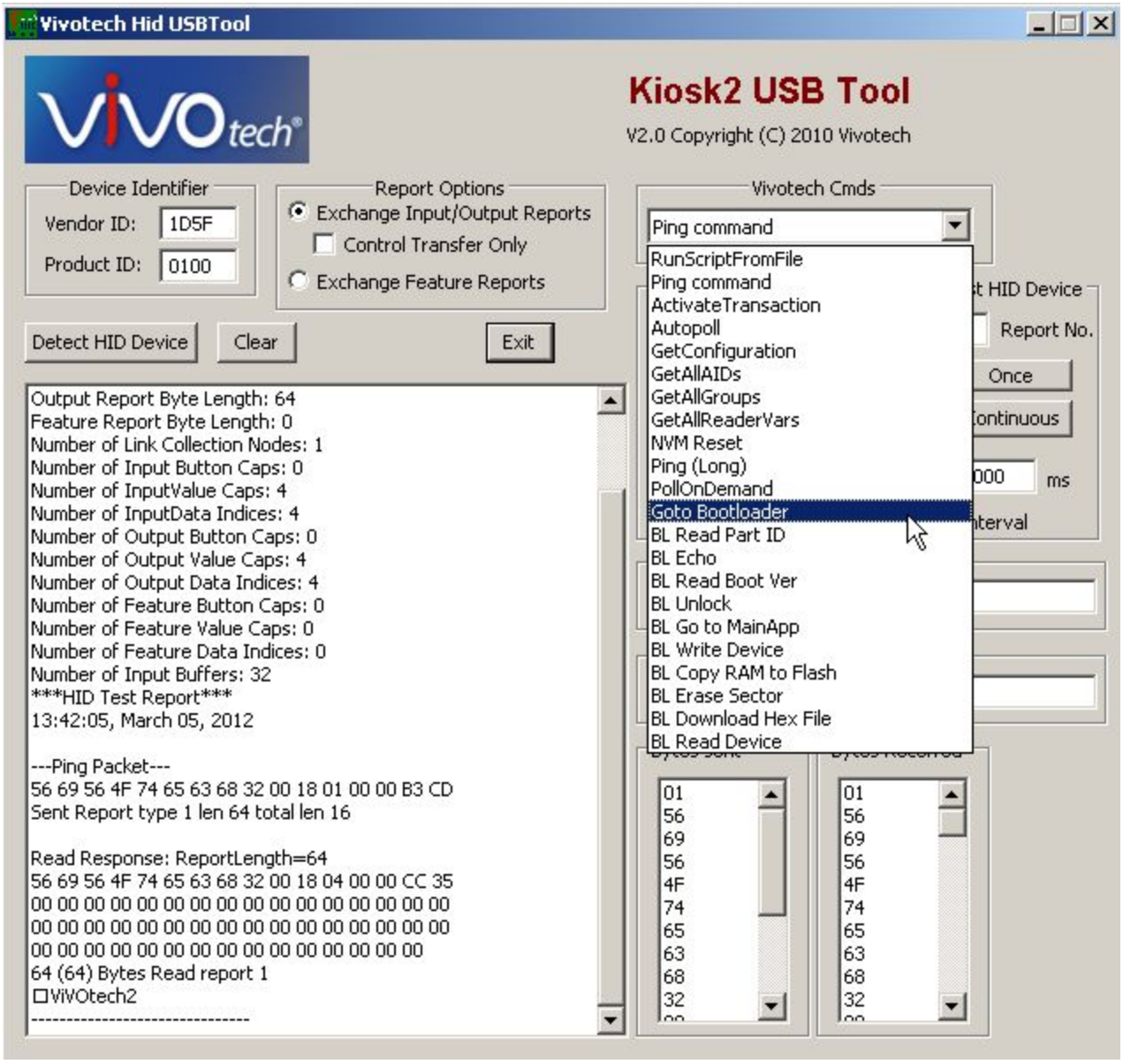




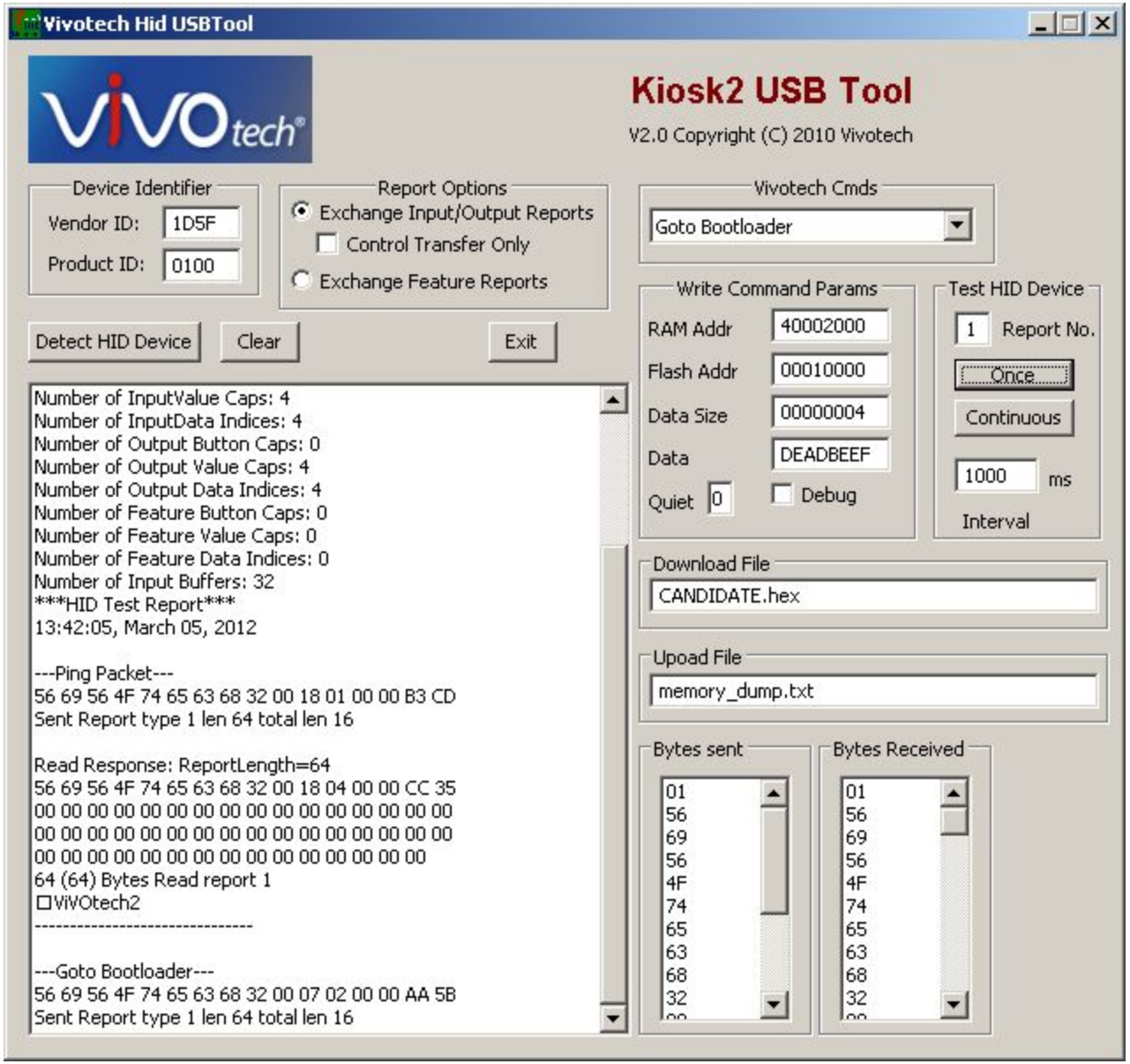
To verify that the reader is communicating, select the “Ping Command” and then click on the “Once” button.

You should see the response to the Ping packet in the window

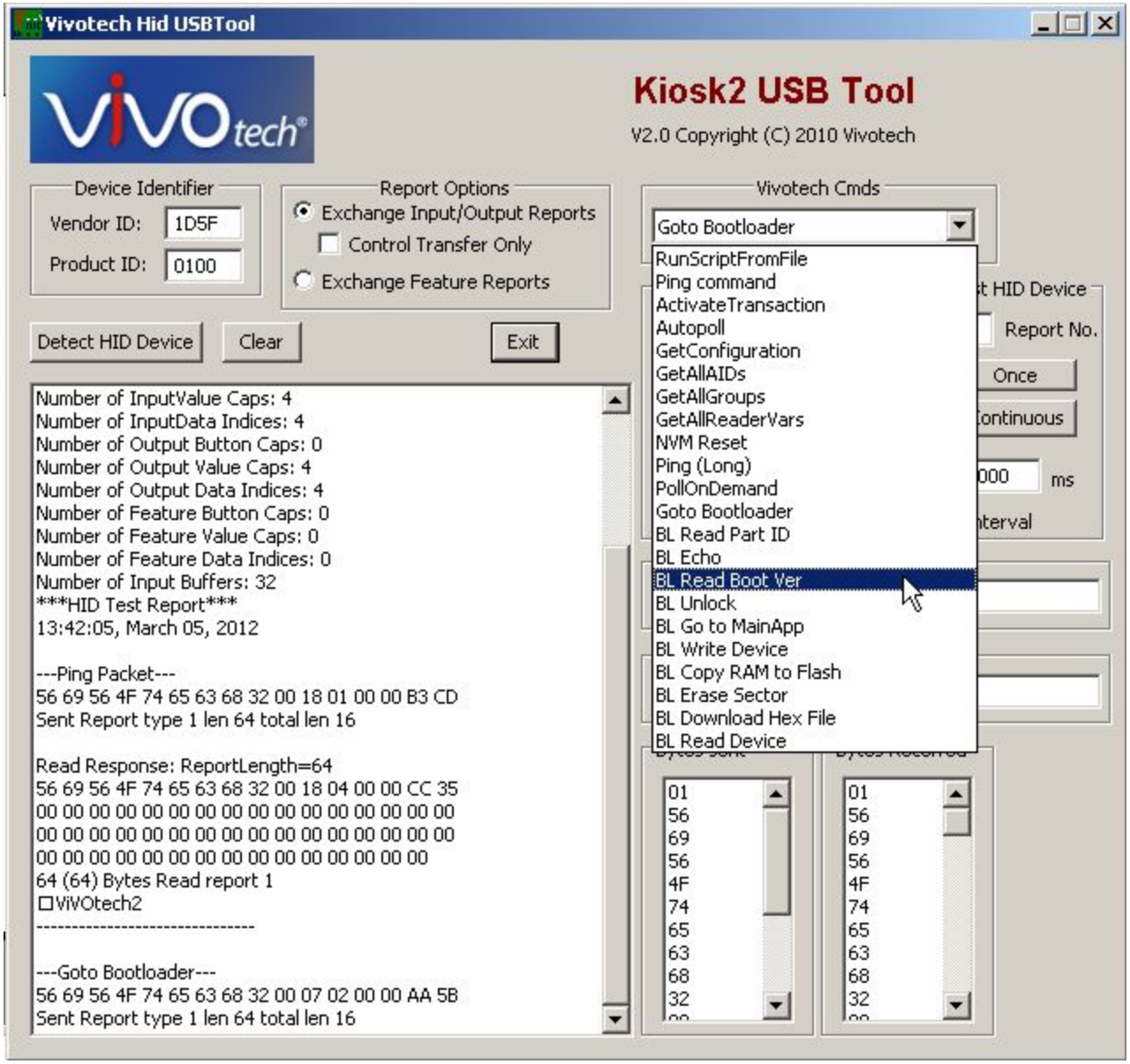




Select the “Goto Bootloader” command and then click on the “Once” button.

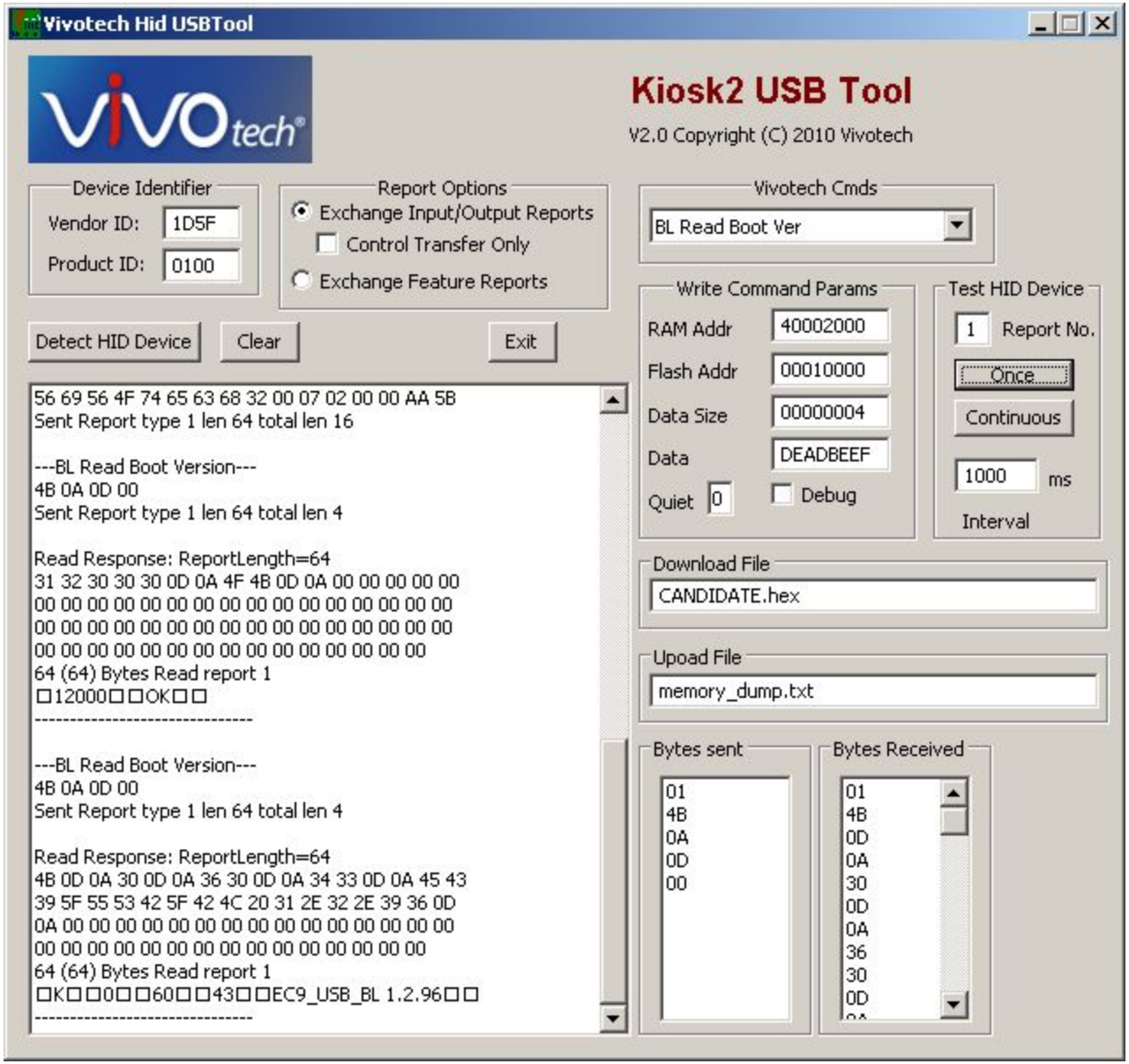


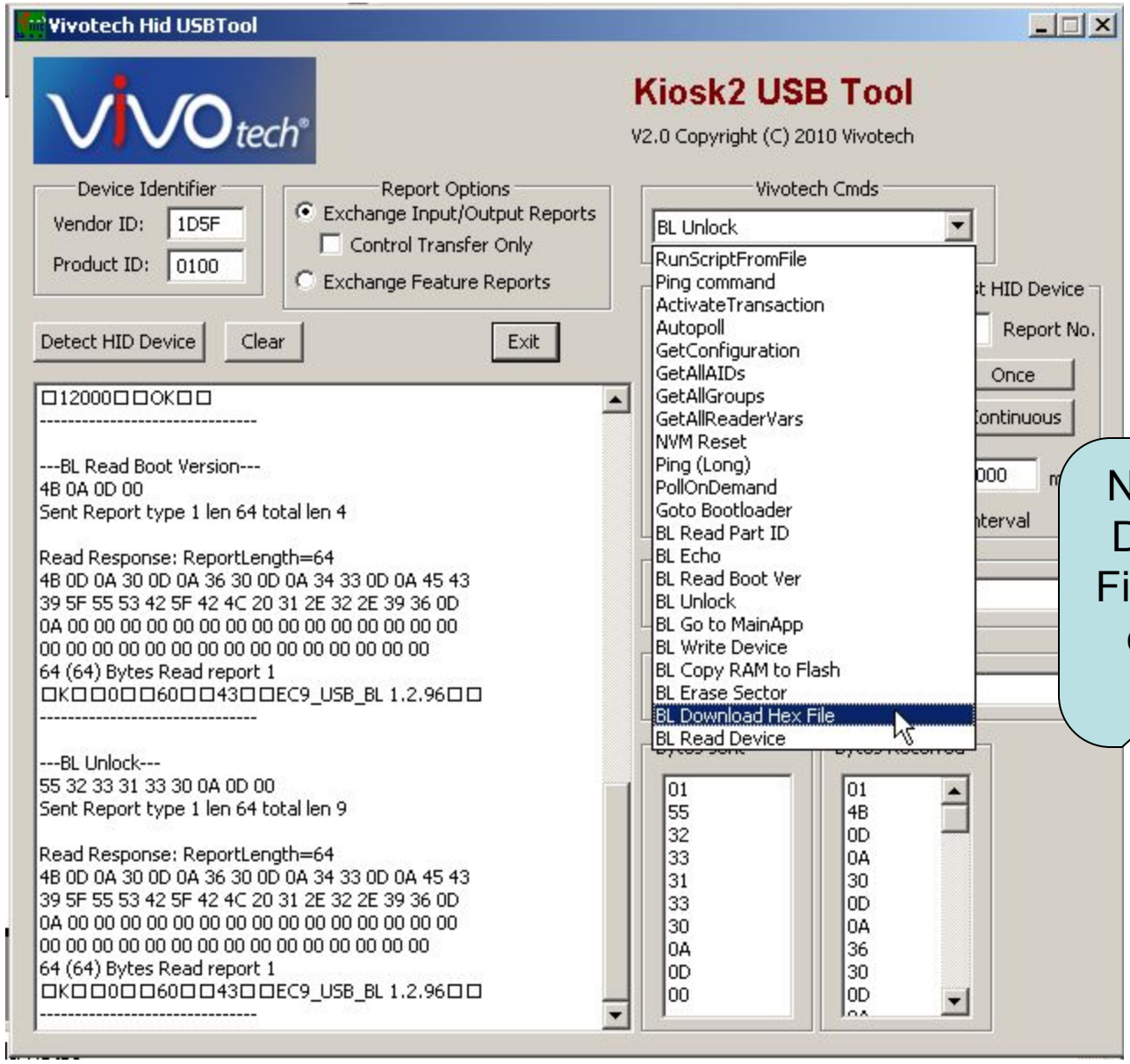
This is what you should see in the window.



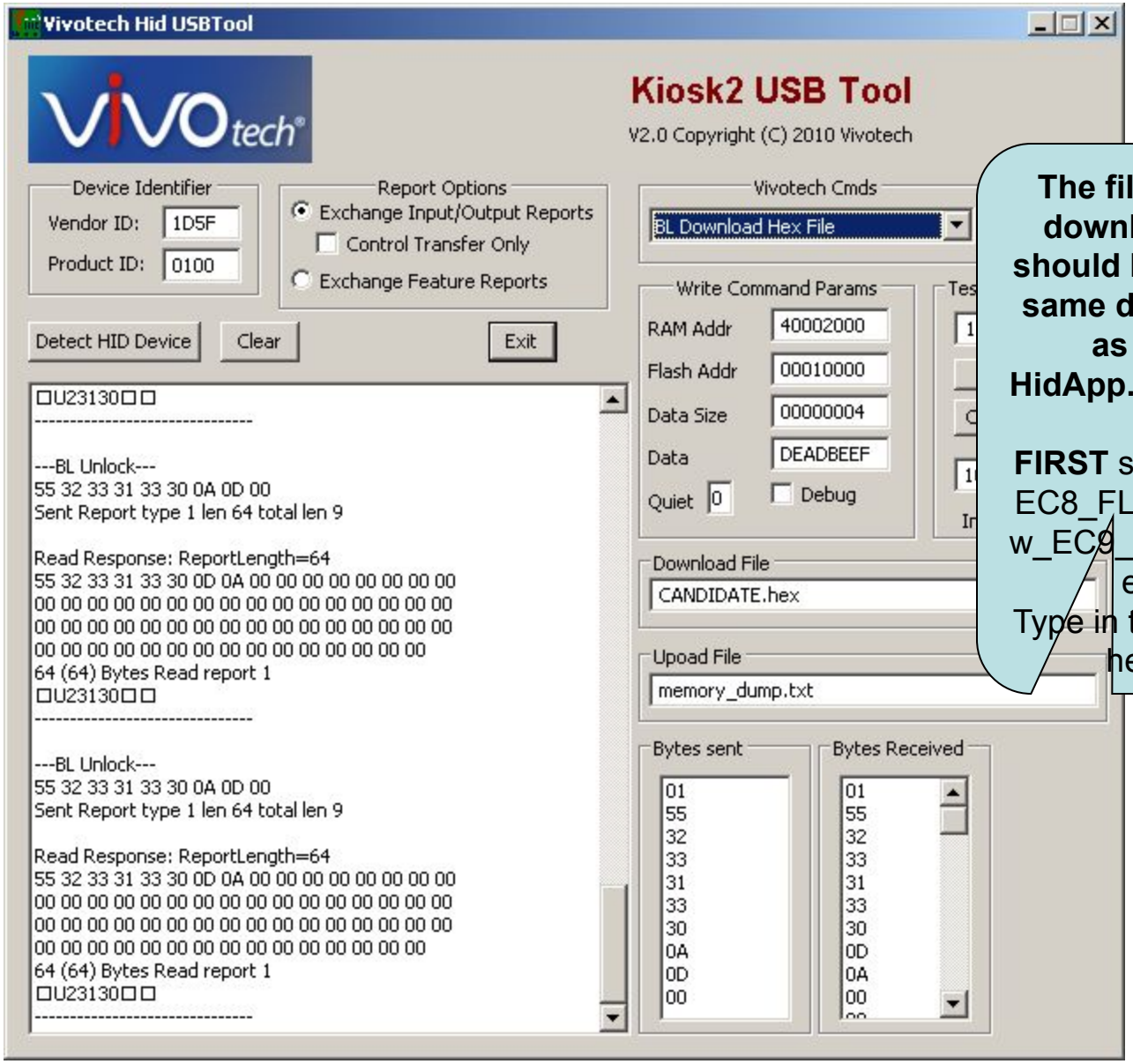
2.)To verify that you are communicating with the Bootloader, click on “BL Read Boot Ver.” Then click “Once”

The bootloader version displays in the window.





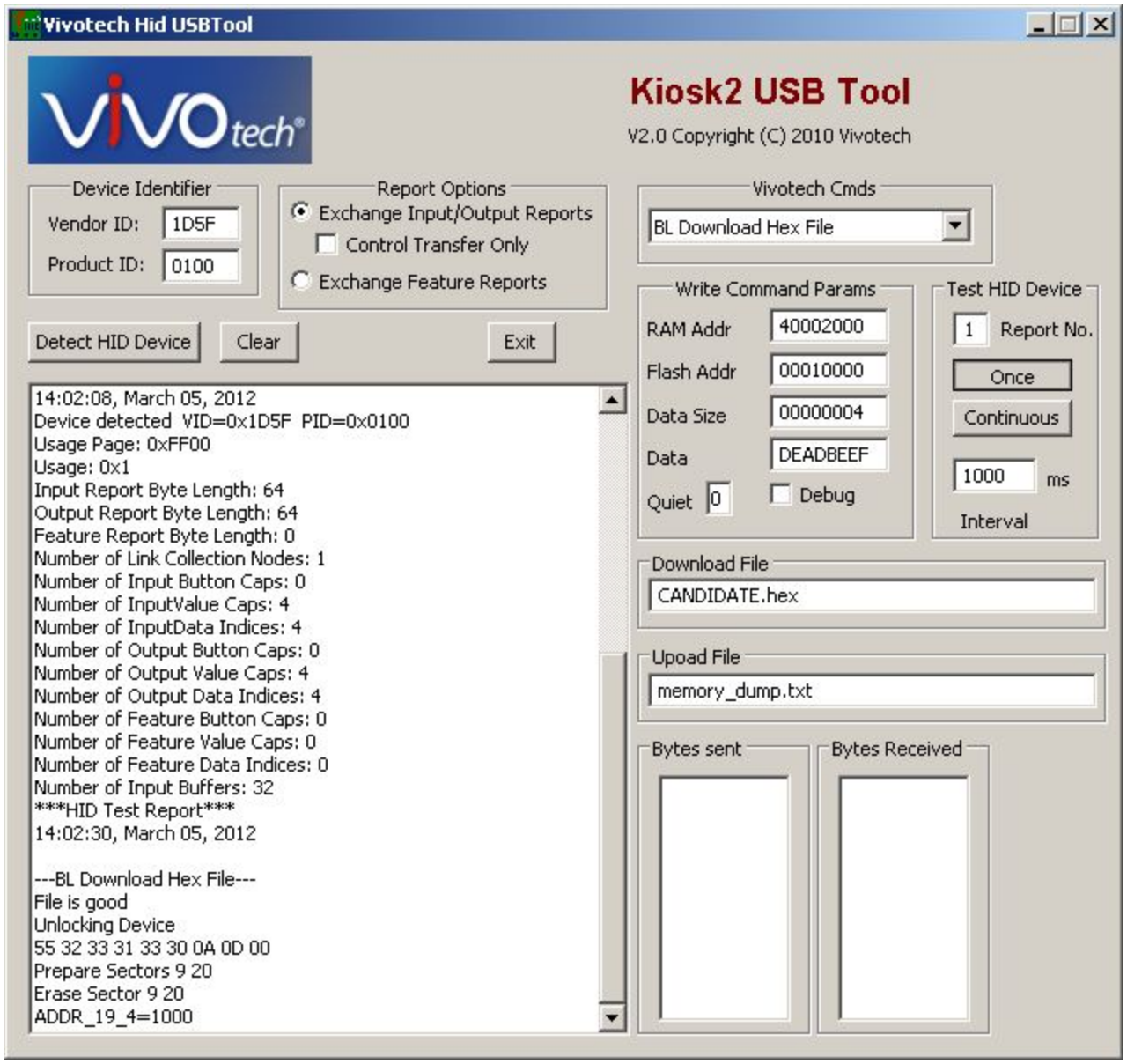
Now select “BL Download Hex File”. Then click on the “Once Button”.



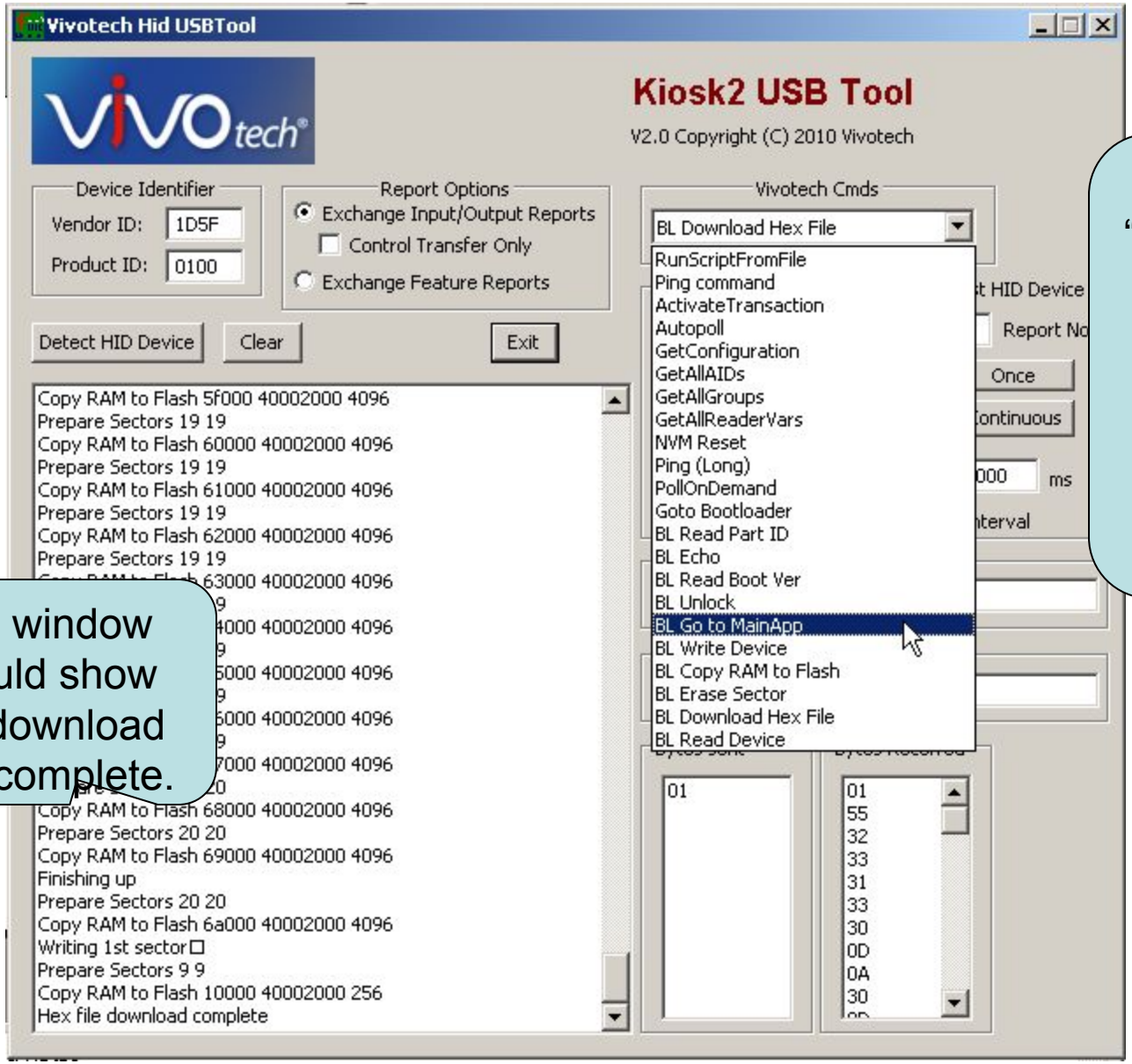
The file to be downloaded should be in the same directory as the HidApp.exe tool.

FIRST select file: EC8_FL_1_0_1_w_EC9_BLx.x.x.hex

Type in the name here



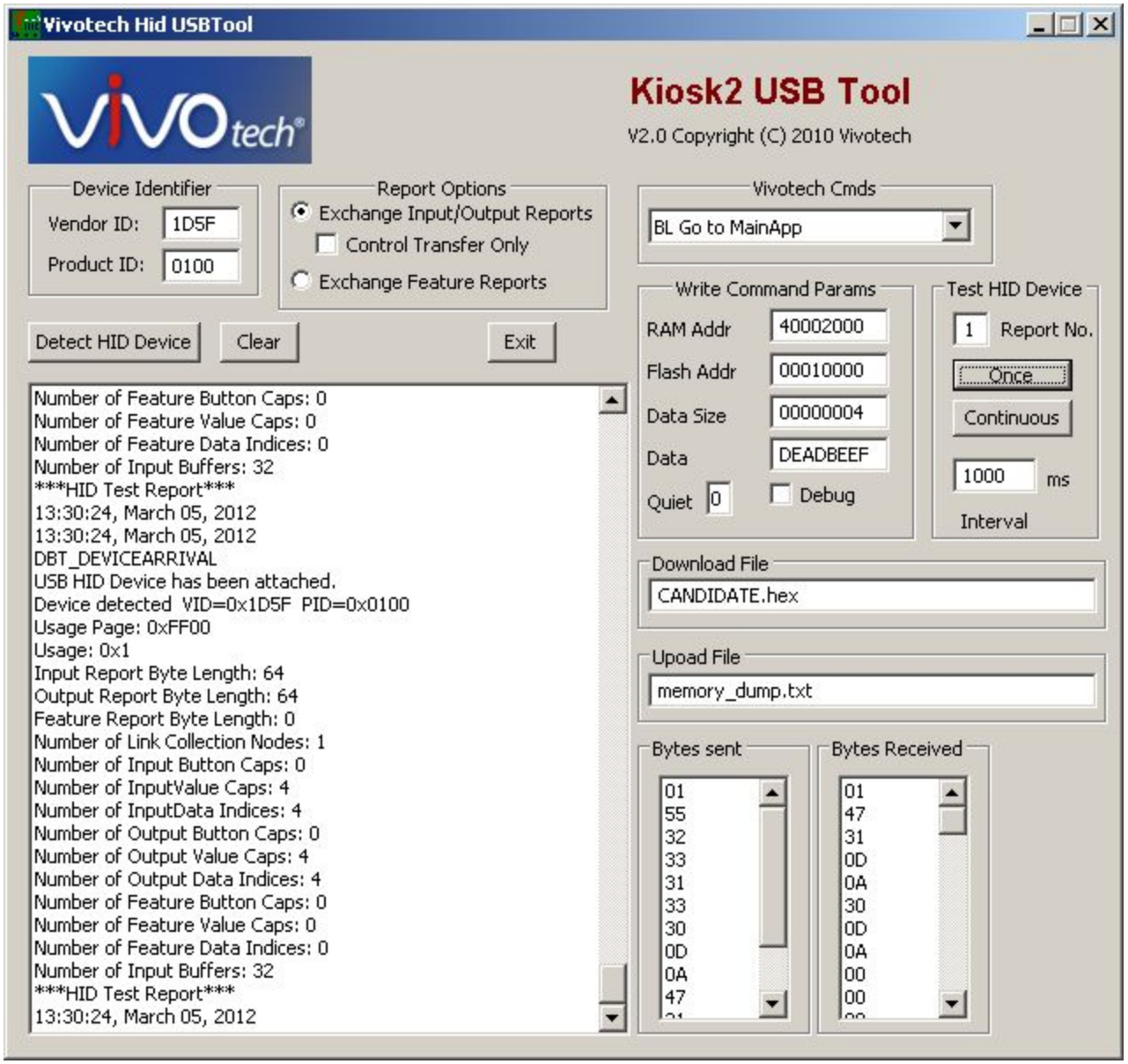
The download should begin as shown in the window. This will take several minutes.

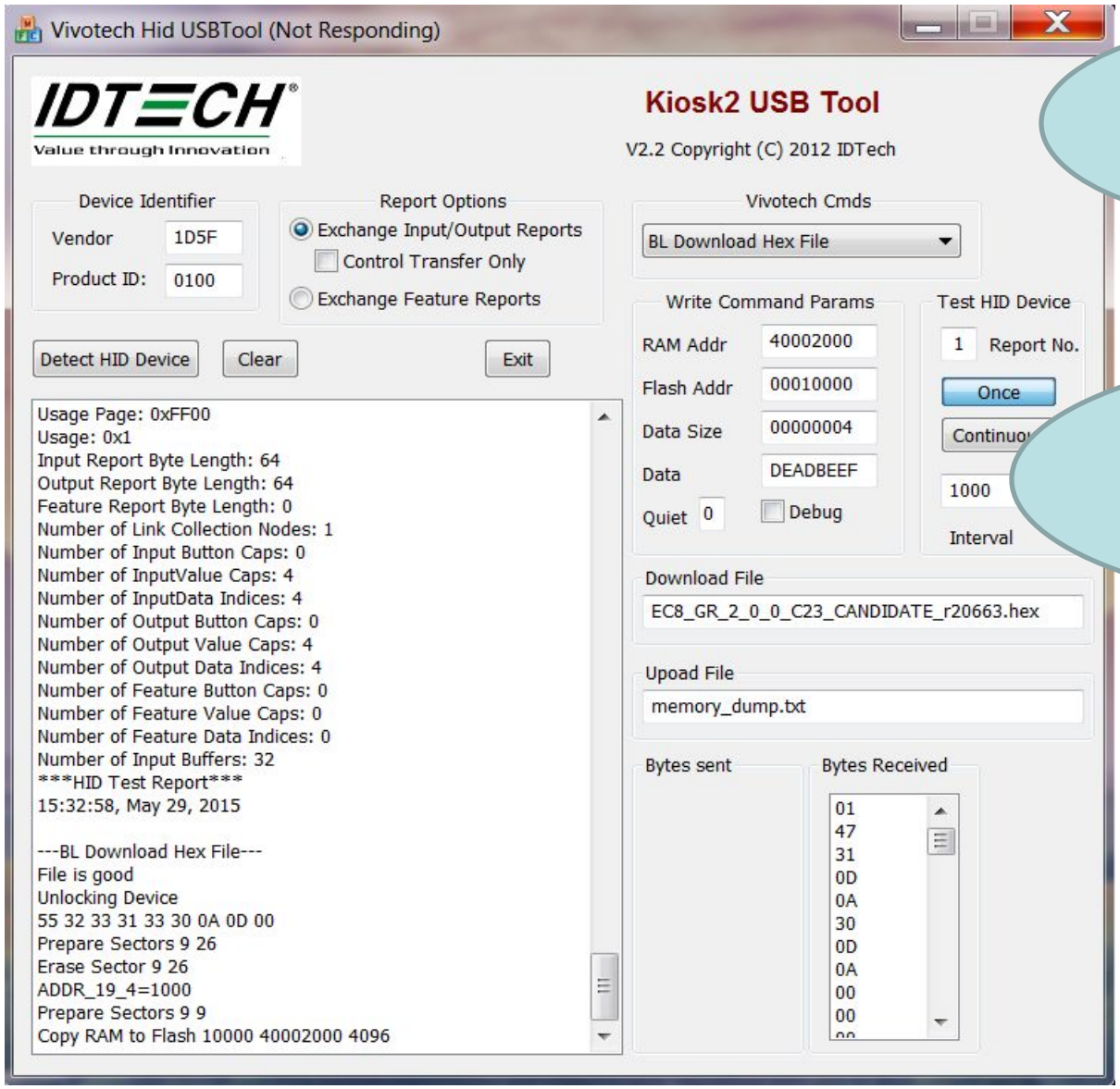


Then select "BL_Go to Main App". Click Once.

The window should show the download was complete.

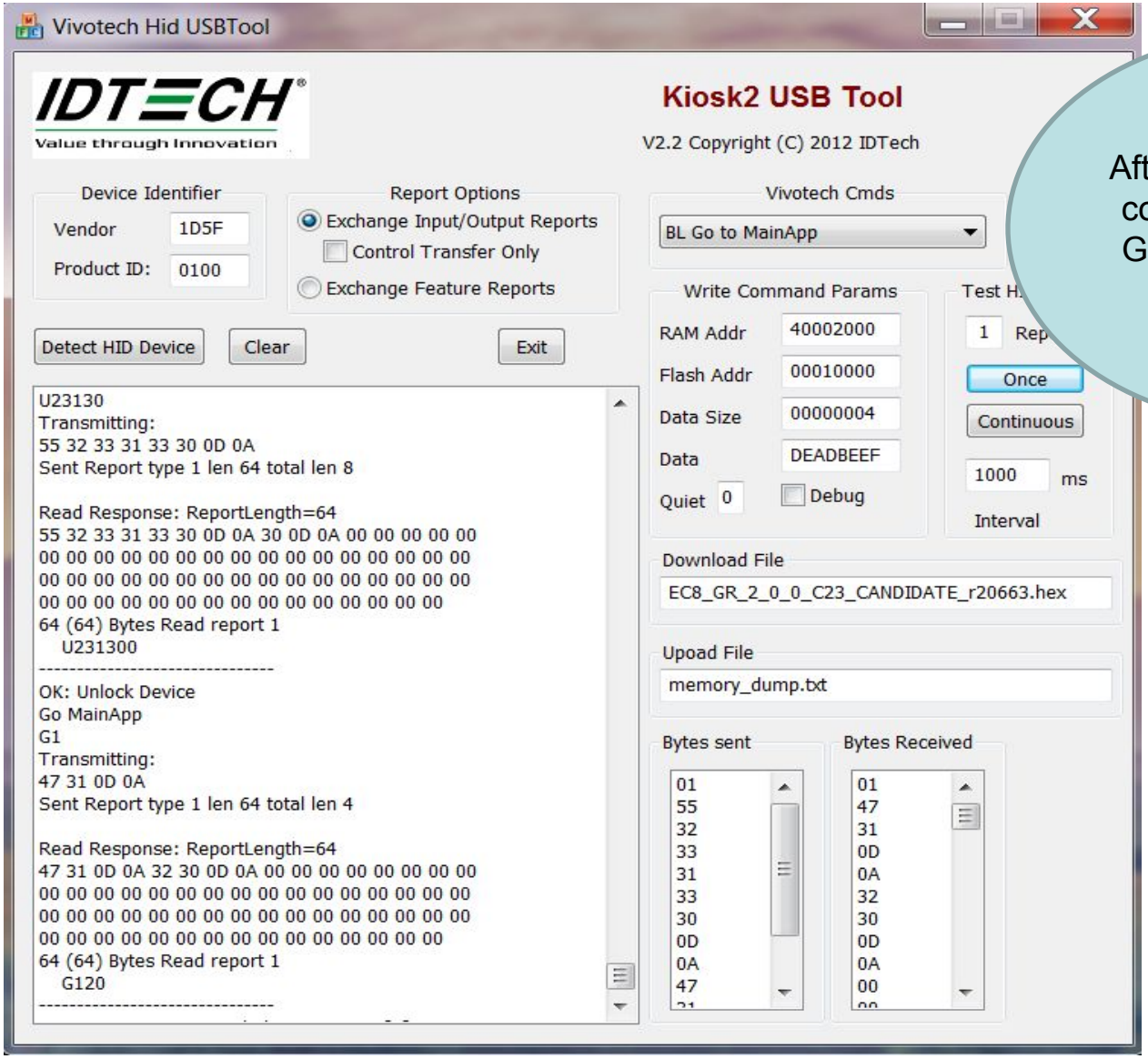
You should hear a **long beep**.and **wait** then the reader device should enumerate, as shown here **or** select “Detect HID Device”



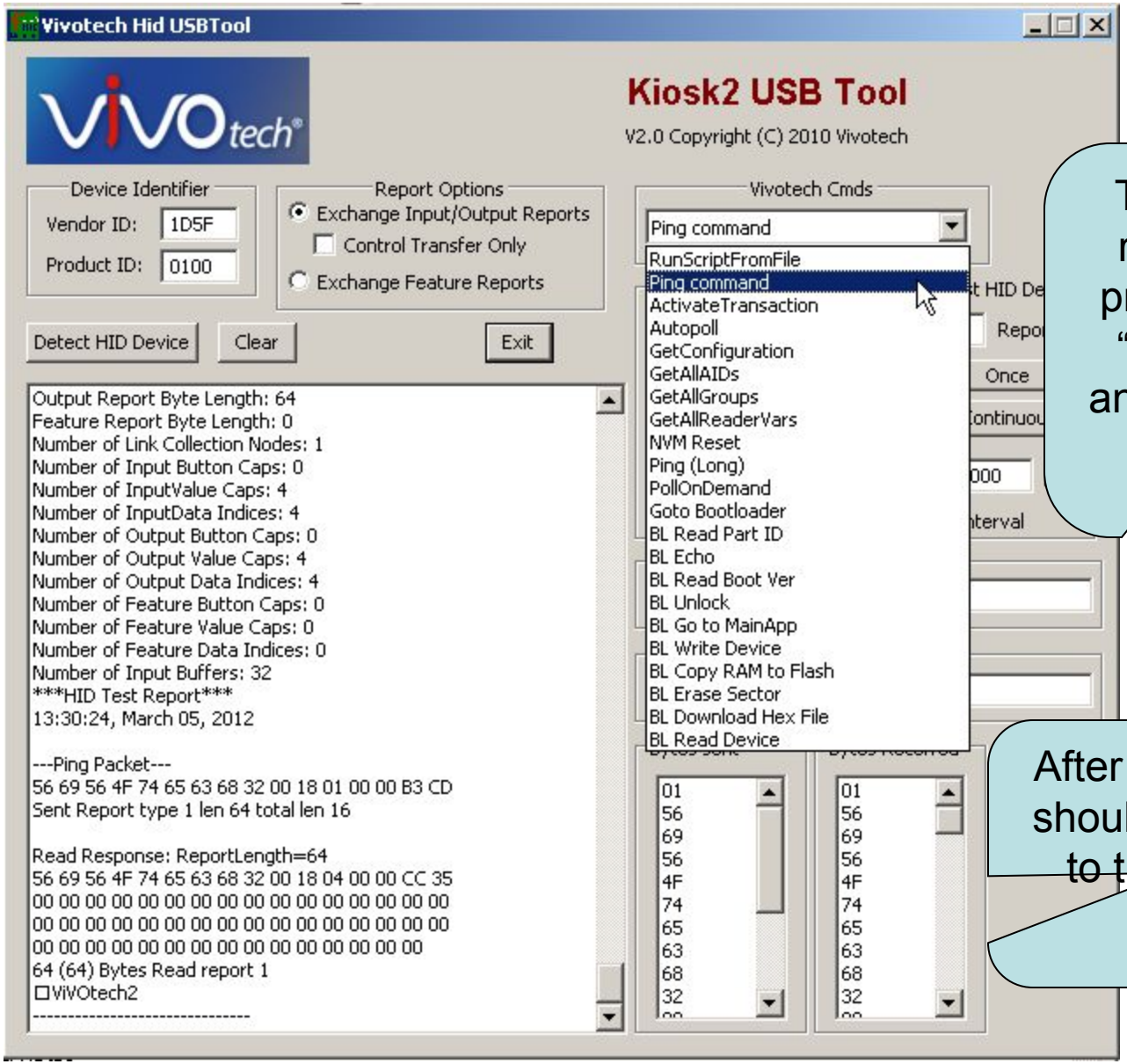


select BL Download Hex File Then Select Once

SECOND: en EC8_GR2.0.0_Cxx_ -rxxxx.hex h



After the file download complete. Select BL GoTo MainApp Then Select Once



To make sure the reader is running properly, select the “Ping Command” and click the “Once” button.

After you click once, you should see the response to the Ping as shown here.