Cruizer II™ and Cruizer II™ RTK Software Update Details

Version: GPS Engine 3.907
Release Date: 04/17/17

Download and Installation Instructions

Installation instructions are also included in downloaded files.

1. Start with the Cruizer II powered off and the antenna cable disconnected.

2. Connect Port D (the virtual GPS port that uses physical Port B) to the serial port on your computer using a "straight through" serial cable.
   Note: If you do not have a cable which provides access to Port D, you can use the 115-0171-791 adapter cable. Plug it into the serial port labeled "B" on the back of the Cruizer II. If you are looking at the back of the Cruizer II, this is the serial port on the bottom left hand corner. You will connect the serial cable to the connection on the adapter cable labeled "Port C."
   Note: For the Cruizer II Weather-Resistant models, you can use the 115-0171-870 cable that will have a port labeled "Port D" that you will use to connect to your computer.
   Note: If using Gen II cabling for either the Cruizer Ii or Cruizer II Weather-Resistant, use the GPS Output connector to connect to your computer.

3. Open the WinLoad program on your computer.

4. Select Settings then COM Settings. Set the COM Port to the one you are using on the computer. Set the Download Baud to 115200 and the Connection Baud to BREAK. Select OK.

5. Select File in the upper left corner of the WinLoad program and then select File Open.

6. Locate the .hex or .shex file which you downloaded from the Raven website.

7. Double-click on the .hex or .shex file. You should now see the file information within the main WinLoad program.

8. Select the Write Flash button in WinLoad. A timer will start counting down from 30 seconds. Wait 5 seconds and then proceed to the next step.

9. Power up the Cruizer II.

10. You should now see information in the main window of WinLoad indicating the update has begun.

11. Once the update is complete, close the WinLoad program and cycle power to the Cruizer II.

12. Power the Cruizer II back on and verify the GPS engine version by going to the GPS Health screen. The "Version" should now be up to date.

13. Reconnect the antenna cable.

Release Notes

- Firmware change to handle GLONASS losses of lock after leap second changeover.

- Firmware changes to handle SBAS almanac entries with PRNs outside of the normal range of 120-138

- Fix for GLONASS leap second change