

Reprogramming a Geode™ GNSS to work with a Sensors & Software GPR system

1. Download the **Geode™ Connect** app through either the **Apple® Store** or **Google® Play Store**.
2. Turn the Geode on by pressing the power button quickly.
3. On your Smartphone, connect to the Geode through Bluetooth.
4. Open the **Geode Connect** app and select the appropriate Geode from the list of devices.
5. Open the **Receiver Configuration** page
 - On **Android** phones, click the Gear icon in the lower right corner, then select **Receiver Configuration** from the list.
 - On **Apple®** phones, click the "... More" icon in the lower right corner, then select **Receiver Configuration** from the list.
6. At the bottom of the screen, change the **Active Port** to "**Bluetooth**".
7. Scroll back up and change the Bluetooth settings to:
 - Active GNSS Constellations: **Multi-GNSS**
 - NMEA Sentences: **RD1, GGA, GNS, GST, GSV, RMC, RRE, VTG selected** (uncheck all others)
 - Update Rate: **1 Hz**
8. Save the Bluetooth configuration using the **Save** button:
 - On **Android** phones, **Save** is the floppy disk icon in the lower right corner
 - On **Apple** phones, **Save** is the button reading Save in the top right corner
9. At the bottom of the screen, change the **Active Port** to "**Serial**".
10. Scroll back up and change the Serial Port settings to:
 - Active GNSS Constellations: **Multi-GNSS**
 - NMEA Sentences: **GGA only** (uncheck all others)
 - Update Rate: **10 Hz**
 - Baud Rate: **19200**
11. Save the Serial configuration using the **Save** button:
 - On **Android** phones, **Save** is the floppy disk icon in the lower right corner
 - On **Apple** phones, **Save** is the button reading Save in the top right corner
12. Open the **Advanced** settings sub-menu and change the settings to:
 - NMEA Precision: **8**
 - Mask Angle: **10**
 - Correction source: **Auto**
 - SBAS: **Auto**
 - Receiver: **Mixed** and **NULL NMEA** selected
 - Battery Strings: Disabled
13. If any of the Advanced Settings were changed from the previous setting, select **Save**:
 - On **Android** phones, **Save** is the floppy disk icon in the lower right corner
 - On **Apple** phones, **Save** is the button reading Save in the top right corner
14. Press **< Back** to return to the **Main Configurations Settings** menu.
15. Press **Home** to return to the Geode Connect main screen.
16. The Geode should now work with the Sensors & Software GPR system.

