

Release Notes for Geode Connect – Version 1.0.0

August 2016

These notes provide important information for Juniper Systems release of Geode Connect.

Documentation and software updates are available from:

<http://www.junipersys.com/Juniper-Systems/support>

Contents

These release notes contain the following sections:

- Important Notes
- Known Issues

Important Notes

Geode Connect is a configuration application. Geode Connect can change the Environment Mode, Update Rate, NMEA Sentences, Active GNSS Constellations, NMEA Precision, Binary Messages, Mask Angle, SBAS Modes, Receiver Modes, Soft and Hard Receiver Resets.

Geode Connect operates on three platforms: Windows PC (connect to receiver using Bluetooth, Serial, or USB); Mobile 6.5 (connect to receiver using Bluetooth or Serial); and Android (connect to receiver using Bluetooth).

Geode (Hardware - Receiver) is a full-functioned GPS receiver. It is capable of sub-meter accuracy with 95% reliability. The Geode is designed to work in heavy canopy and mountainous areas.

Geode Connect - Known Software Issues

Known issues for Windows PC version

GRET-236	<p>Hard Reset – Shows a notification – “Timeout JRESET”.</p> <p>The hard reset was completed and can be confirmed by seeing the Environment is set to Open Sky, Update Rate is set to 1 hz, NMEA Sentences set to receive are: GGA, GNS, GSA, GST, GSV, RMC, RRE, VTG. The NMEA Precision set to 8, Mask Angle: 10, SBAS: Auto, Receiver Mode: Glofix, Mixed Null NMEA, SurTrack and clears the ephemeris and almanac.</p>
GRET-213	<p>Connection failures after pairing with multiple devices (fills the Bluetooth connection allocation). The work around is to retry the pairing three times. On the third time, it will do a repair. To get a Bluetooth connection, first remove the Bluetooth connections, reset the device, and discover the Bluetooth devices. Then in Geode, connect to the receiver again. Another work around is to manually pair from the Bluetooth control panel.</p>
GRET-210	<p>Uninstalling Geode Connect, (Local User) or (All Users) does not remove the GeodeConnect.exe. The workaround is to find the GeodeConnect.exe on the PC and delete it.</p>
GRET-179	<p>Geode Connect - When changing connection to a different receiver, the unit will show <i>Connecting to Geode Grexxx</i>. The wait cursor spins, but does not disappear. The workaround is to close Geode Connect and start again.</p>
GRET-175	<p>When setting Geode (receiver) to 10 hz and enabling all NMEA strings can cause timeouts when trying to change the configuration. The workaround is to only enable the minimum number of NMEA strings needed for your application to operate properly.</p>

Known issues for the Android version

GRET-213	Connection failures after pairing with multiple devices (fills the Bluetooth connection allocation). A work around is to manually pair from the Bluetooth control panel.
GRET-175	When setting Geode (receiver) to 10 hz and enabling all NMEA strings can cause timeouts when trying to change the configuration. The workaround is to only have the minimum number of NMEA strings enabled.
GEODA-131	Geode Android requires SBAS Ranging Receiver Mode for SBAS satellites to be used in fix.
GEODA-95	Geode Connect does not scale well with larger displays (Android - 9" tablet).
GEODA-135	When trying to use Geode Connect on a Google Nexus 5X running Android OS 6.0.1; selecting the preferences menu and checking the <i>Enable Mock Locations Provider</i> will pop-up a menu instructing the user to go to the settings and enable Mock Locations. Selecting <i>OK</i> will navigate to the Mock Locations selection in the settings menu for the OS. After selecting Geode Connect as the mock location provider, then returning to Geode Connect, the box is now unchecked. The user can get stuck in an endless loop of checking the box, enabling mock location app, and then returning to find it unchecked. If the user selects Cancel on the popup, the box appears to remain checked, but if the user leaves the preferences screen and returns, the box is unchecked again.
GEODA-136	When using Geode Connect on an Google Nexus 5X (Android 6.0.1), when trying to connect to a different or new Geode receiver from the original connection, Geode Connect device setup does not appear to search for new Bluetooth devices, and does not identify any new devices.

Known issues for the Mobile version

GRET-254	When setting Geode (receiver) to 10 hz and enabling all NMEA strings can cause timeouts and Geode Connect will no longer respond to screen clicks in a timely manner. The workaround is to only have the minimum number of NMEA strings or Binary data enabled.
----------	---