

GNSS Overview

AGRICULTURE

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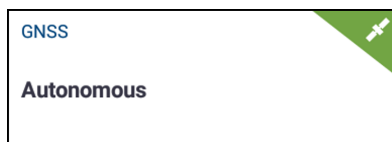
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GNSS Overview

GNSS (**Global Navigation Satellite System**) is a satellite system that is used to pinpoint the geographic location of a user's receiver anywhere in the world. The Trimble® GFX-750™ display connects to and manages a NAV-900 navigation controller to connect to the various GNSS constellations.

This document contains provides some basic concepts for selecting the best connectivity for your configuration.

Tap the **GNSS** tile on the Home screen to begin:



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Supported GNSS Constellation and Correction Services

Constellations	Corrections	Correction Formats
<ul style="list-style-type: none">• GPS• GLONASS• Galileo• BeiDou (COMPASS)	Terrestrial Corrections <ul style="list-style-type: none">• CenterPoint® RTK• CenterPoint VRS Satellite Corrections <ul style="list-style-type: none">• CenterPoint RTX• RangePoint® RTX• SBAS (WAAS, EGNOS, MSAS)	<ul style="list-style-type: none">• CMR+• sCMR+• sCMR+ with SecureRTK• CMRx• RTCM3 (w/ 3rd party radio)

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GNSS Details in Precision-IQ

From the Precision-IQ Home screen, the GNSS tile provides a high-level, "at-a-glance" overview of the status of your GNSS connection. These details are:

Selected correction service: By default, **Autonomous** is selected as your correction service.

Satellites connection status: In the upper-right corner of the tile, the following colors indicate the GNSS status:

- **Green:** This status indicates a strong satellite connection, with enough connected satellites in a constellation for the correction service to respond accurately.
- **Yellow:** This status indicates a weak satellite connection, with fewer connected satellites in a constellation. Because there are fewer connected satellites, the correction service accuracy will be reduced.
- **Red:** A red status indicates that there are no satellites connected. You cannot enter the Run screen when the GNSS status is red.

Tap the **GNSS** tile for a full summary of the configuration.

From the GNSS screen, you can review all details about the GNSS settings and configuration. Tap the **Edit** button if you need to adjust the correction service or messaging.

Frequency and Baud Rates

The CenterPoint RTX frequencies and baud rates for regions are:

Region	Frequency	Baud Rate
Asia/Pacific	1539.8325 MHz	600
Central North America	1557.8150 MHz	2400
Eastern North America	1557.8590 MHz	600
Europe/Africa	1539.9525 MHz	600
Europe (RTX EU)	1529.7250 MHz	2400
Latin America	1539.8325 MHz	600
Western North America	1557.8615 MHz	600

For More Information

Contact your local Trimble Regional Sales Manager.