

uses **Real-Time GNSS RF Signals** to play up to 22 satellite signals with a current time stamp

The new **LabSat RT** is the latest version of the hugely successful **LabSat** dual constellation GNSS simulator range. By utilising the power of the latest PC architecture, **LabSat RT** is able to create GPS, GLONASS or BeiDou signals in real time.

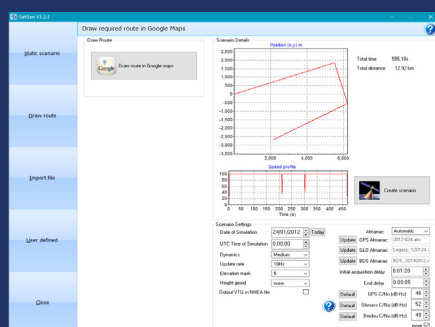
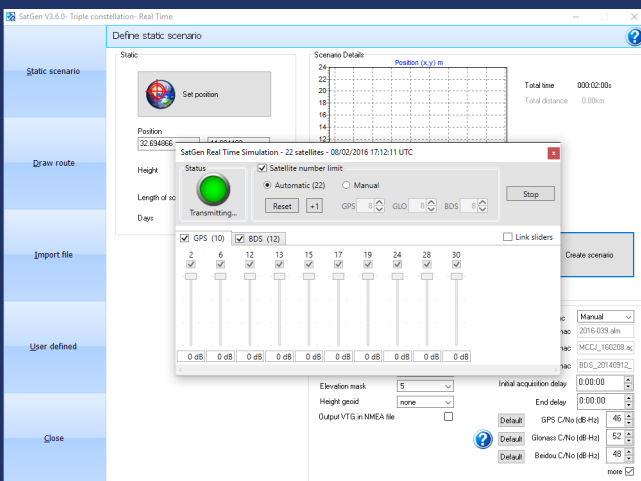


- GPS: L1 1575.420 MHz
- GLONASS: L1 1602.000 MHz
- BeiDou: B1 1561.098 MHz

- Real-time control over GNSS signals (<1 second latency)
- Single or dual constellation signals
- Control the carrier to noise ratio for each satellite
- Synced to current time
- SatGen v3 software included

SatGen v3

SatGen software allows you to create a GNSS RF I&Q or IF data file that can be replayed on a **LabSat** which is based on a user-generated trajectory file.



Generate your own trajectory files with **SatGen v3**

LabSat is the most affordable and versatile multi-constellation simulator on the market, giving you the ability to replay live signals on the bench with absolute consistency.

LabSat is used by a wide array of technology companies such as Bosch, Qualcomm, Samsung, Polar, and Intel; as well as within the the automotive sector at GM, Daimler, and McLaren.

- Create single constellation GNSS signals (up to 12 satellites) with a single Intel i7-5960X (20M cache, up to 2.5GHz) Extreme processor with 8 cores and 16 threads.
- Create dual constellation GNSS signals (up to 22 satellites) with dual Xeon E5-2660 v3 (25M, 2.60GHz) processors with 20 cores and 40 threads.
- Individual control for the carrier to noise frequency ratio for each satellite in view.
- Up to 2 bit I/Q quantisation for a single GNSS constellation.
- Static location or NMEA/KML file routes created from multiple inputs.