



The high-accuracy SLXg3 provides real-time corrected positions virtually anywhere on the planet using its built-in GPS, WAAS and OmniSTAR capability. DGPS Beacon demodulation is an additional feature of the SLXg3 COMBO model.

The Satloc SLXg3 is a DGPS receiver designed for multiple applications including air, ground, marine, and GIS, with position accuracy to within 1 meter (3 feet). It functions using correction signals from multiple sources including Space-Based Augmentation Systems (SBAS) such as WAAS and EGNOS, OmniSTAR, L-Band, Beacon*, and Satloc's patented e-Dif. *SLXg3 Combo model only



The SLXg3 receiver applies a differential correction signal to GPS that increases the accuracy over GPS alone. Whereas a GPS signal provides accuracy on the order of 10 to 20 meters, the SLXg3 differential (DGPS) correction increases the accuracy to less than 1 meter, depending on the type of differential used.

Features & Benefits

- **Sub-meter position accuracy** – With SLXg3, your accuracy is typically within 1 meter (3 feet), as long as you have good quality differential data. And with a selection of differential options to choose from, the SLXg3 brings you accurate differential position data regardless of your global location.
- **12-Channel GPS Engine** – SLXg3 can track up to 12 satellites at one time, increasing your accuracy.
- **Frequent position updates** – The SLXg3 receives a GPS location signal 5 times per second, ensuring a realtime GPS solution.
- **COAST technology** – Satloc's patented COAST technology works with Beacon, Space-Based Augmentation Systems (including WAAS and EGNOS where available) and OmniSTAR, and minimizes position drift when not receiving continual differential messages. COAST will therefore mask short periods of differential outages (up to half an hour or longer!).
- **Dual serial ports for NMEA, RTCM, and Satloc messages** – the SLX receiver supports Satloc binary messages and 9 different NMEA types – GGA, GLL, VTG, GSV, RMC, GSA, ZDA, GST, and RRE. NMEA is a standard format used to communicate between receivers and auxiliary devices (guidance systems, PC, yield, monitor, etc.).