

# global

differential GPS receiver



**SLXg3**

The new Satloc SLGg3 is a high performance 12-channel GPS engine with a selection of differential options.

The Satloc SLXg3 Receiver gives the user three options for choosing a differential source.

**WAAS**  
**OmniSTAR**  
**Beacon\***

\* Available with SLg3 COMBO model only.



positioned for **your success**

#### GENERAL / PERFORMANCE SPECIFICATIONS:

- WAAS, L-band, and beacon differential receiver
- Position update rate up to 5 Hz
- Integral 12-channel GPS engine
- Environmentally sealed case
- Single antenna and cable for GPS and various differential sources
- Dual Serial Ports for NMEA, RTCM, GPS, and Diagnostic messages
- Sub-meter accuracy \*
- NMEA messages: GGA, GSA, GLL, GSV, VTG, ZDA, RMC
- External cable provides RTCM, NMEA, receiver diagnostics, and binary GPS via RS-232 connectors
- Cold Start: typically less than 1 min 30 seconds to first fix (with known freq. of operation)
- Signal re-acquisition: less than one second after up to 5 sec. of signal loss
- True wide area corrections from geostationary satellite (WAAS and L-band mode)
- Automatic differential satellite beam change based on geographic location (L-band only)
- Subscriber access permits remote activation via satellite uplink (L-band only)
- Front panel LED indicators showing GPS, differential, power status, and position accuracy
- Automatic station search in beacon mode \*\*
- Manual mark input and one pulse per second output

#### MECHANICAL SPECIFICATIONS/DIMENSIONS

- Dimensions: 7.50"L x 4.9"W x 2.0"H
- Weight: 1.75 lb
- Display: 4 LED indicators
- Power/Data Connector: circular locking metal
- Antenna Connector: TNC

#### ENVIRONMENTAL SPECIFICATIONS:

- Operating Temperature: -30°C to +70°C
- Storage Temperature: -40°C to +80°C
- Humidity: 95% non condensing

#### BEACON RECEIVER SPECIFICATIONS: \*\*

- Channels: 2 independent channels
- Frequency Range: 283.5 to 325.0 kHz
- MSK Bit Rates: 50, 100, and 200 bps
- Operating Modes: Automatic and manual
- Cold Start Time: < 1 minute
- Reacquisition Time: < 2 seconds

\* Results may vary with differential correction source and conditions

\*\* SLXg3 COMBO only

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