GCX2
Innovative GNSS Receiver

- Dual frequency and multi-constellation GNSS RTK receiver
- Compact, lightweight, rugged, and cable-free design
- Wireless multi-channel Long-Range Bluetooth® technology RTK corrections
- Simplified user display
- Precision Orbital Satellite Technology (POST) integrated antenna
- 226 Channels with optimized satellite tracking technology
The Sokkia GCX2 is a dual frequency GNSS receiver which delivers RTK (Real Time Kinematic) centimeter level performance in an innovative form. The GCX2 exemplifies a completely reimagined approach to receiver design that offers an ultra-lightweight and ergonomic solution at a low cost.

Providing flexibility in a variety of ways for static or RTK data collection, the GCX2 easily adapts for nearly any application. A pair of GCX2 receivers can be used as a base and rover using wireless multi-channel Long-Range Bluetooth® technology RTK corrections. Additionally, when combined with a cellular-enabled field controller, the GCX2 is an ideal precision network rover.

The GCX2 offers affordable high-quality results for traditional applications in the surveying and construction fields; as well as unconventional utilizations such as in landscape architecture, GIS, BIM and forensic mapping. The unique innovative antenna design creates a lightweight ergonomic solution.

Open the GCX2 case and discover this “bullet”-proof GNSS solution.

Sokkia Technologies
The GCX2 is built with leading edge technology to bring you the best GNSS RTK and static data collection with a high level of performance.

Communication
With its wireless multi-channel Long-Range Bluetooth® technology RTK corrections, the GCX2 eliminates licensing or interference issues. When used as a base, it may support up to three concurrent GCX2 rovers at a range of up to 300+ m (1000 ft.).

Precision Orbital Satellite Technology (POST) integrated antenna
The new Sokkia POST™ antenna design gives the GCX2 its innovative and ergonomic shape along with top performance. The unique “bullet” shape appears as a small extension of the range pole – almost as if it’s not even there.

Get Set and Go
Open the GCX2 box and you are ready to go. Collecting data has never been so easy with a simplified user display and such portable and straight forward receiver.

Keep it light with the Sokkia S-10 field controller
The Sokkia S-10 field controller is an economical, entry-level controller that is packed with features. Outfit the unit with the powerful MAGNET® Field software, and you instantly have the ability to drive Sokkia GNSS instruments wirelessly.

Weighing only 375 g (9.6 oz), it is easily the lightest data collector in the Sokkia product lineup and so small it could even fit in your pocket for that walk back to the truck.

TopNETlive
GCX2 Network Rover with TopNETlive
TopNETlive is a subscription based, real-time GNSS Reference Network delivering high quality, GNSS correction data to rovers used for surveying, construction, GIS mapping, and agricultural applications. TopNETlive is the fastest growing RTK worldwide network. Visit www.topnetlive.com to view network coverage maps and join TopNETlive.
Innovative Technology and Design

The Perfect Solution

GCX2 with the Sokkia S-10 field controller running MAGNET® software provides the lightest GNSS RTK rover solution with efficient workflow.

- **Precision Orbital Satellite Technology (POST) integrated antenna**
- **Wireless multi-channel Long-Range Bluetooth® technology RTK corrections**
- **Simplified receiver user interface and display**
- **USB port for charging and communication**
- **Rechargeable Battery Internal memory**
- **Standard 5/8” x 11 threaded mount**
Software
MAGNET® software is tailored for use with Sokkia field controllers in both field and office environments.

MAGNET® Enterprise
A manager’s dream of tracking all field and office data in one simple-to-access web interface. Store and exchange your field data in the MAGNET Enterprise cloud. Save the drive time by sending your field and office updates to the cloud rather than driving back to the office.

MAGNET® Office
Full CAD functionality with MAGNET Office Site and Topo. Or field data processing with MAGNET Office Tools inside AutoCAD® products, like Civil3D®. The MAGNET Office solution has what you need. Pick the module that fits your needs.

MAGNET® Field
Powerful on-board software that covers full functions for surveying and engineering tasks. MAGNET Field handles data collection, stake out, roads and coordinate geometry.

SPECIFICATIONS

GCX2
Innovative GNSS Receiver

Tracking Capability

<table>
<thead>
<tr>
<th>Number of Channels</th>
<th>226 channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracked Signals</td>
<td>GPS L1 C/A, L1C, L2P, L2C</td>
</tr>
<tr>
<td></td>
<td>GLONASS L1 C/A, L1P, L2 C/A, L2P</td>
</tr>
<tr>
<td></td>
<td>SBAS L1 C/A, WAAS/EGNOS/GAGAN</td>
</tr>
<tr>
<td></td>
<td>QZSS L1 C/A, L1C, L2C</td>
</tr>
<tr>
<td></td>
<td>GAGAN</td>
</tr>
</tbody>
</table>

Antenna Type

Integrated antennas

Positioning Accuracy

<table>
<thead>
<tr>
<th>Static (L1 + L2)</th>
<th>H: 3 mm + 0.5 ppm, V: 5 mm + 0.5 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTK (L1 + L2)</td>
<td>H: 10 mm + 1.0 ppm, V: 15 mm + 1.0 ppm</td>
</tr>
<tr>
<td>DGPS</td>
<td>H: 0.4 m, V: 0.6 m</td>
</tr>
<tr>
<td>SBAS</td>
<td>H: 1 m, V: 1.5 m</td>
</tr>
</tbody>
</table>

Maximum Data Rate

10 Hz

Data Management

Memory

Internal non-removable memory up to 8GB

Real Time Data Output

TPS; RTCM SC104 v 2.x and 3.x; CMR/CMR+%

ASCII Output

NMEA 0183 v 2.x and 3.0

Communication Ports

Bluetooth® USB 2.0 High Speed Device

Wireless Communication

Bluetooth® Modem

v2.1 + EDR

RTK Communication* Through cell enabled field controllers
Over 300+ m (1000 ft) with up to 3 simultaneous rovers using wireless multi-channel Long Range Bluetooth® technology RTK corrections

General

Dust/Water Protection

IP67

Humidity

100%, condensing

Operating Temperature

-30°C to 60°C / -22°F to 140°F (with internal batteries)
-40°C to 60°C / -40°F to 140°F (with external power)

Display Type

LED user interface

Dimensions (w x h x l)

47 x 184.5 x 47 mm (1.9” x 7.3” x 1.9”)

Weight (including batteries)

375 g (13 oz.)

Power Supply

Battery Type

Internal non-removable

Operating Time

All day operation in any configuration (up to 12 hours)

Maximum Data Rate

10 Hz

External Power Connector

Service port (shared with USB 2.0 communication)

* Use of the industry standard RTCM 3.x is always recommended for optimal performance.
** Typical long-range distance with clear line-of-sight. Distance for long-range largely depends upon environmental and field conditions.

Kit Components

- GCX2 receiver
- AC wall charger
- USB cable
- Power adapter kit
- Quick reference card

Your local Authorized Dealer is: