SOKKIA

GCX2
Innovative GNSS Receiver

- **Dual frequency and multi-constellation GNSS RTK receiver**
- **Compact, lightweight, rugged, and cable-free design**
- **Bluetooth® and interference-free Data communication**
- **Simplified user display**
- **Precision Orbital Satellite Technology**
- **226 Channels with optimized satellite tracking technology**

Innovative Technology and Design

Innovative. Simple. Lightweight. Rugged.

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 interference-free data communication. Additionally, when combined with a cellular-enabled 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 interference-free data communication, 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 1150 ft. (300+ m).

Precision Orbital Satellite Technology

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.

Keep it light with the Sokkia S-10 data collector

The Sokkia S-10 data collector 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 9.6 oz. (375 g), 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.

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.

TopNET*live*

GCX2 Network Rover with TopNET*live*

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. TopNETline is the fastest growing RTK worldwide network. Visit www.topnetlive.com to view network coverage maps and join TopNETlive.

Precision Orbital
Satellite Technology

Bluetooth and Interference-
free data communication

Simplified receiver user
interference and display

Rechargeable Battery
Internal memory

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USB port for charging
and communication

Standard 5/8" x 11"
threaded mount

The Perfect Solution

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

Software

MAGNET® software is tailored for use with Sokkia field controllers in both field and office environments.
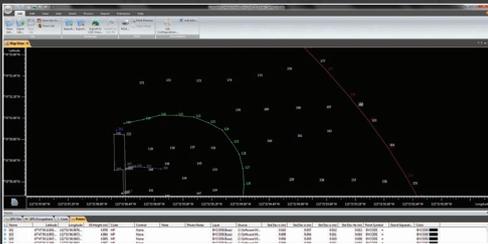
MAGNET® Enterprise

A managers 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.
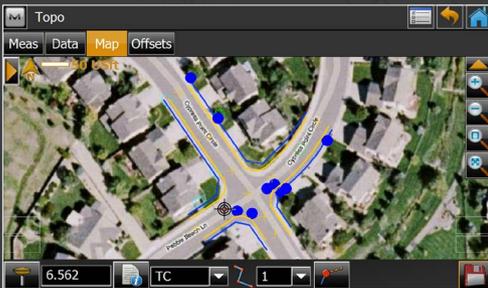
MAGNET® Office

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.

SOKKIA

GCX2

INNOVATIVE GNSS RECEIVER

SPECIFICATIONS

Tracking Capability	
Number of Channels	226 channels
Tracked Signals	GPS L1 C/A, L1C, L2P, L2C GLONASS L1 C/A, L1P, L2 C/A, L2P SBAS L1 C/A WAAS/MSAS/EGNOS QZSS L1 C/A, L1C, L2C GAGAN
Antenna Type	Integrated antenna

Positioning Accuracy	
Static (L1 + L2)	H: 4 mm + 0.5 ppm V: 6 mm + 0.5 ppm
RTK (L1 + L2)	H: 12 mm + 1.0 ppm V: 18 mm + 1.0 ppm
DGPS	0.5 m
SBAS	1 m
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	Over 1150 ft. (300+ m) with up to 3 simultaneous rovers (Interference-free Data Communication) or through cell enabled S-10 data collector

General	
Dust/Water Protection	IP67
Humidity	100%, condensing
Operating Temperature	-40°F to 185°F (-40°C to 85°C)
Display Type	LED user interface
Dimensions (w x h x l)	1.9" x 7.3" x 1.9" (47 x 184.5 x 47 mm)
Weight (including batteries)	13 oz. (375 g)

Power Supply	
Battery Type	Internal non-removable
Operating Time	All day operation in any configuration (up to 12 hours)
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*

Kit Components

- GCX2 main unit
- Power supply cable
- Mini USB cable
- Operating manual
- Case

Your local Authorized Dealer is: