

# GSX2

GNSS Receiver

## SPECIFICATIONS

Tracking Capability	
Number of Channels	226 channels
Tracked Signals	GPS, GLONASS, SBAS, QZSS, Galileo*, and COMPASS*
Antenna	Integrated
Positioning Accuracy	
Fast Static (L1)	H: 3mm + 0.8ppm V: 4mm + 1.0ppm
Fast Static (L1 + L2)	H: 3mm + 0.5ppm V: 5mm + 0.5ppm
Kinematic (L1, L1+L2)	H: 10mm + 1.0ppm V: 15mm + 1.0ppm
DGPS	< 0.4m
SBAS	< 0.6m
RTK (L1 + L2)	H: 10mm + 1.0ppm V: 15mm + 1.0ppm
Autonomous	< 1.2m
Maximum Data Rate	20Hz
Data Management	
Memory	4GB internal memory (Firmware limit of 2GB of static data)
Real Time Data Output	TPS; RTCM SC104 v 2.x, 3.x; CMR/CMR+
ASCII Output	NMEA 0183 v 2.x and 3.0
Communication Ports	Bluetooth, Serial, USB (Client)
Wireless Communication	
Bluetooth Modem	V.1.1; Class 1; 115,200bps
RTK Communication	Over 300m with up to 3 simultaneous rovers
General	
Dust/Water Protection	IP67 (IEC 60529:2001)
Shock	6.56ft. (2m) pole drop
Operating Temperature	-20°C to +65°C with internal batteries; -40°C to +65°C with external power;
Display	MINTER
Size	W6 x D6 x H1.5in. (W150 x D150 x H64mm)
Weight	Approx. 1.87lb. (850g)
Power supply	
Battery	Internal
Operating Time	Up to 20 hours
External Power Connector	Yes

\* Galileo and COMPASS support will be incorporated into GSX2 when these constellations have matured and are ready for commercial use.

### Standard Accessories



- GSX2 main unit
- Battery charger
- Tribrach with adapter
- 10cm pole adapter
- Operation manual
- Mini USB cable
- Carrying case

# SOKKIA

SOKKIA CORPORATION

16900 W. 118th Terrace Olathe, KS 66061  
Phone (800) 4-SOKKIA Fax: (913) 492-0188  
www.sokkia.com

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Your local Authorized Dealer is:

# SOKKIA

# GSX2

GNSS Receiver

# Leading Edge Technology in a Rugged Design



- Integrated, Cable-free Design
- Interference-free Data Communication
- Sealed Long-life Power Supply
- Compact, Lightweight, Rugged Design
- Jobsite and Network RTK System

# Compact. Rugged. Advanced. Affordable.

## ■ Versatility and Flexibility

Providing leading edge technology in a smart, rugged design, the GSX2 provides superior performance at an affordable price. The compact, integrated receiver design includes the GNSS board, sealed long-life power supply, memory storage and long-range data communication.

The design of the GSX2 provides a great deal of versatility, allowing the GSX2 to be configured in a variety of ways depending on the project requirements. The GSX2 makes a great low-cost static GNSS system that can be pre-programmed and operated in the field with just one button. Use a pair of GSX2 receivers for a completely cable-free base and rover RTK system or utilize the GSX2 as a network rover by adding network functionality and a cellular enabled controller.



The GSX2 is the lightest, smallest, most rugged network rover in the market. At only 6 inches square, the unit is barely noticed at the top of the rover pole. Why struggle with the added weight of older technology receivers when you can have the ease of use with the GSX2.

## ■ Primary Features

Square "No Roll" Design

Super-Bright LEDs

Waterproof Communications and Charging Port

USB Data Port



## ■ Interference-free Data Communication



- The GSX2 GNSS receiver features *Bluetooth*® Class1 wireless technology for reliable data communications.
- This completely integrated receiver operates cable-free in the field, with no antennas, battery doors, or connectors to worry about.

## ■ Waterproof, Rugged, and Operator Friendly

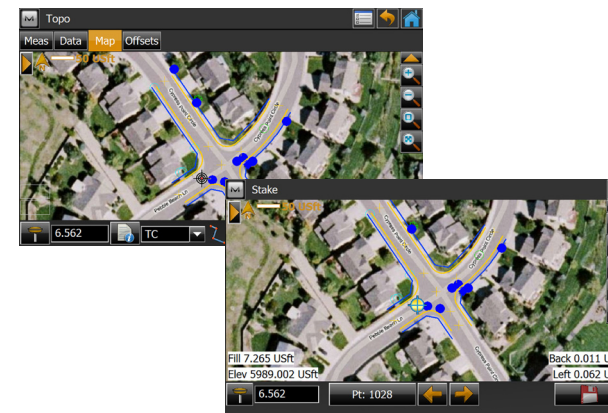
A compact, lightweight receiver built to take the most intense environmental conditions and job site punishment. The GSX2 is guaranteed to survive a 2m on-the-pole drop to concrete. The magnesium metal housing is rugged and lightweight. The mini USB port is completely waterproof.



### Related Products

## ■ MAGNET™

A family of software solutions that streamlines the workflow for surveyors, contractors, engineers, and mapping professionals..



### ● Field

A modern, graphic user interface with large icons, shortcut buttons, and fast access tabs provide productive, quick work flows. The icon and text field interface has been optimized to provide both text and images indicating what data is needed on each screen. MAGNET Field not only controls the measurements of the instrument but also provides many COGO and adjustment calculations.

### ● Office

Directly integrates into Autodesk products utilizing their CAD engine, or as a standalone installation with MAGNET Office Site and Office Topo. Either way, connect to MAGNET Enterprise directly from CAD software.

