



## Features

- ⚙️ **GPS L1/L2, BeiDou B1/B2, GLONASS L1/L2, Galileo, QZSS**
- ⚙️ **High-accuracy Positioning**
- ⚙️ **Ideal for RTK Solution**
- ⚙️ **Compact, Rugged Design**
- ⚙️ **Multiple Data Collection Device Choices via Bluetooth Connection**

## MULTI CONSTELLATION GNSS AND SUPERIOR PERFORMANCE

The G200 is a rugged, compact, wearable GNSS receiver that provides centimeter accuracy positioning to any connected mobile devices. Combined with the high-performance SinoGNSS OEM board tracking GPS L1/L2, BeiDou B1/B2, GLONASS L1/L2, Galileo and QZSS, the G200 gives you confidence in achieving reliable high-precision GNSS performance for your land survey tasks anywhere in the world.

## ENHANCED BLUETOOTH<sup>®</sup> CONNECTIVITY

With the enhanced Bluetooth<sup>®</sup> connectivity - the G200 can be easily connected to devices with Android™ and Windows™ Mobile operating systems. No heavy, expensive data collectors required and no compromise with quality but at an affordable price for every surveyor.

## SMART BATTERY DESIGN

The 3400 mAh battery provides up to 9 hours continuous operation, and fast charging design can save much of your time, enhancing efficiency and productivity in the field.

## EASE OF USE

The G200 is able to delivery robust survey workflows with SinoGNSS Android-based Survey Master Software, so that you collect quality high-accuracy positions no matter what mobile device you use. With dimension of 137 mm × 72 mm × 50.4 mm and weighing less than 350 g, the G200 can go wherever you go for your multiple high-precision survey demandings.

## Signal Tracking

- 352 channels
- GPS: L1 C/A, L2C, L2P
- BeiDou: B1, B2
- GLONASS: L1 C/A, L1P, L2 C/A, L2P
- Galileo, QZSS<sup>1</sup>
- SBAS: WAAS, EGNOS, MSAS, GAGAN

## Performance Specifications

- Cold start: <50 s
- Warm start: <30 s
- Hot start: <15 s
- Signal reacquisition: <1.5 s
- RTK Initialization time: typically <10 s
- Initialization reliability: typically >99.9%

## Positioning Specifications

Mode	Accuracy
Post Processing	2.5 mm + 1 ppm Horizontal 5 mm + 1 ppm Vertical
Single Baseline RTK	8 mm + 1 ppm Horizontal 15 mm + 1 ppm Vertical
DGPS	<0.4 m RMS
SBAS	1 m 3D RMS
Standalone	1.5 m 3D RMS

## Communications

- Bluetooth® 4.0, compatible with Android™ and Windows™ mobile OS
- Support Ntrip protocol (based on software)
- 1 serial port (9 pin Fischer), 1 Fischer connector
- 3 LEDs (indicating Power, Satellite Tracking and Bluetooth)

## Data Format

- Correction data I/O: RTCM 2.X, 3.X, CMR(GPS only), CMR+(GPS only)
- Position data output:
  - ASCII: NMEA-0183 GSV, RMC, HDT, VHD, GGA, GSA, ZDA, VTG, GST; PTNL, PJK; PTNL, AVR; PTNL, GGK

- Extended NMEA-0183 BDGGA, GPNTN, GPCDT, GPHPR
- ComNav Binary update to 100 Hz (compatible with major brands)

## Physical

- Size(L x W x H): 137 mm × 72 mm × 50.4 mm
- Weight: <0.35 kg (with 1 battery inside)

## Environmental

- Operating temperature: -20 °C to +60 °C
- Storage temperature: -30 °C to +70 °C
- Waterproof and dust-proof: IP54
- Shock and vibration: Survive a 1.5m nature drop onto concrete

## Electrical

- Battery capacity : 3400 mAh
- Power consumption: 1.6 W
- Working time: Over 9 h continuous work
- Charging time: 2.5 h

## Accessories

- AT330 GNSS antenna

## Software

- Compass Receiver Utility software
- Survey Master Software

1. Galileo and QZSS are reserved for future upgrade.

Specifications subject to change without notice.

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