

GSR1700 CSX

Integrated High-Performance L1 GNSS System

The GSR1700 CSX provides users with a robust and cable-free solution for all static and kinematic applications. Single-button operation, informative LED display and minimal learning curve make the GSR1700 CSX user friendly for surveyors of all skill levels. The reliable 28-channel L1 GSR1700 CSX receiver tracks GPS and GLONASS signals, eliminating observation range and line-of-sight limitations, making it a great addition to conventional surveying. It's the compact but powerful system ready to produce consistent, centimeter accurate measurements each time.



GSR1700 CSX System

- Single-frequency GNSS receiver, antenna, *Bluetooth*[®] wireless technology, memory and battery in one compact enclosure
- Rugged, field-ready soft case
- Spectrum Survey Suite post-processing software
- SDR+ S/K Edition data collector (optional)

Features and Benefits

Compact System (CS), integrated design – Its lightweight, compact and integrated design makes the receiver ideal for use for static surveying or on a range pole for kinematic surveying

GPS + GLONASS – 28 channels support L1 GPS and GLONASS signals with outstanding measurement quality. Increased satellite coverage provides better efficiency and improved coverage in urban areas and in areas with dense tree coverage

Completely wireless – Integrated GNSS antenna and *Bluetooth* wireless technology provide cable-free, convenient operation. Multiple *Bluetooth* ports allows users to connect to multiple wireless peripherals

Easy to Operate – Completely user-friendly with a minimal learning curve, single-button operation and easy-to-read informative LED indicators for:

- satellite tracking
- occupation time
- remaining memory
- battery life
- communications

Robust surveying – Operates in a temperate range of -40°C to +55°C (-40°F to +131°F). Magnesium alloy housing offers complete IP67 protection against dust ingress and water immersion up to 1.0 m (3.3 ft)

Extraordinary power and memory – Easily hot swap batteries for continuous surveying. 64 MB of CompactFlash[®] removable memory

Voice messages – Industry's only L1 GNSS receivers of its kind to provide audible status notifications in the field

Environmentally sound – 100% compliant with the European Union's RoHS lead-free directive

Applications & Target Markets

Ideal for survey and engineering companies in need of a powerful receiver to perform centimeter accurate topographical and control surveys, the GSR1700 CSX satisfies the needs for any of the following static and kinematic applications:

- As-built mapping
- Position aerial photo panels
- Establish station pairs
- Boundary surveys
- Road construction surveys
- Topographical mapping
- Control densifications
- Section corner surveys
- Map utilities and natural resources

Summary

The GSR1700 CSX combines GNSS tracking capabilities with cable-free surveying to produce centimeter-level accuracy. This lightweight receiver, complete with an IP67 rating, is a powerful, rugged accessory for all static and kinematic applications. With the GSR1700 CSX, users can get the durability and power they need with a lighter, more manageable setup than available with traditional total station surveying.