

GR-5 – Advanced GNSS Receiver



Offering advanced design features not found in other receivers, the GR-5's modern design provides the flexibility and ease-of-use you demand.

With a rugged magnesium I-beam construction for unbeatable strength and durability, and incorporating our Fence Antenna™ technology for unparalleled tracking performance,

the GR-5 also boasts easily accessible SDHC card memory and dual hot-swappable batteries for unlimited continuous operation.

As well as being totally committed to the GPS, GLONASS and Galileo satellite systems, Topcon is also committed to the precision signals from the developing systems from China, Japan and India.



KEY FEATURES - GR-5

- 216 Universal Tracking Channels
- Multi-constellation (GPS, GLONASS, GALILEO)
- Fence Antenna Technology
- Multiple Radio and Cellular Modem combinations
- SDHC data storage support

GNSS



GR-5



GR-5

● Dual Receiver Package

- Two GR-5 Receivers
- Charging Cradles
- PC Data Cables
- Hard Carry Case
- Radio Antennas
- Manuals & Utility software
- Fixed Height Tripod



GR-5 Package

Field Controllers



FC-236

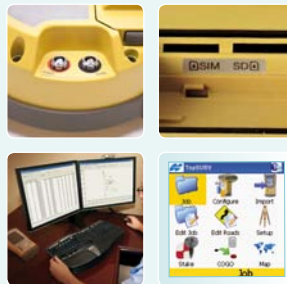
FC-25A

FC-2500

HiPer II – Dual Frequency GNSS Receiver

Smaller. Lighter. Faster. More Affordable. The HiPer II receiver is designed on these clearcut concepts. This state-of-the-art receiver not only offers further enhanced ability, but also increases receiver performance and user-friendliness. The fully customisable structure provides maximum flexibility to choose your required options.

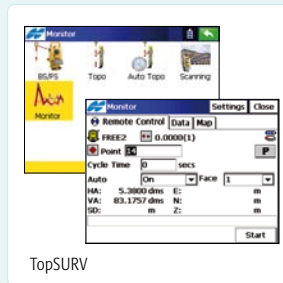
Our GPS+GLONASS, dual-frequency signal tracking technology offers superior positioning capability over the GPS only receivers. It makes a real difference where sky visibility is limited such as in urban canyons or in woodlands, near tall fences or other blockages. With integrated UHF Radio and GSM Cellular Modems available it's simple to work in the environment of your choosing.



KEY FEATURES - HiPer II

- Dual frequency GPS & GLONASS
- Magnesium-Alloy Construction
- Bluetooth® connectivity
- Integrated UHF Radio & GSM Modems
- SD / SDHC Memory Card Slot for flexible storage options

GNSS



● Hiper II Package

- Hiper II
- Antenna
- Charging Cradle
- Hard Case
- Data Cables
- GNSS Detail Pole
- Field Controller



Hiper II Package

Field Controllers



FC-236

FC-25A

FC-250

FC-2500

GRS-1 – Dual Frequency GNSS Receiver



Topcon's GRS-1 is the world's smallest and lightest handheld RTK controller/receiver. By integrating a dual frequency GPS/GLONASS receiver board and L1 capable antenna within the unit, the GRS-1 can be used as the perfect handheld mapping grade unit. With the addition of a G3-A1 survey-grade external antenna the unit can be easily and quickly converted into RTK level device.

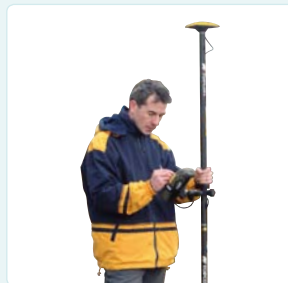
The internal GSM cellular modem can be used to receive NTRIP based corrections from your local TopNET+ network correction service, or you can use the optional RH-1 radio pack to connect into a local UHF based system. With an internal digital camera, integrated compass and fast, the GRS-1 has everything you need to get the job done quickly and efficiently!



KEY FEATURES - GRS-1

- Small and lightweight design
- Internal GSM Modem for easy connectivity – ideal as part of a Network Rover
- Scalable and expandable system for all applications, handheld or on the pole from cm to metres level accuracy
- Integrated digital compass
- Multi-function – Survey / Construct / Navigate / Communicate

GNSS



GRS-1



The GRS-1 has a number of options available to allow it to connect into different corrections services. The internal cell modem and RH-1 UHF radio pack can be used to achieve centimetric level RTN positioning. You can also use the cell modem for DGNSS correction services, or the BR-1 Bluetooth® connected Beacon receiver can be used to get high accuracy mapping grade positions free of charge...



BR-1



GRS-1 Package

● Standard configuration

- GRS-1
- BT-66Q Li-ion battery
- BC-30 charger
- AC power cable
- Vinyl cover
- User manual
- Carrying case

NET-G3A – GNSS CORS Receiver / GB-5 GNSS Receiver



The NET-G3A is the World's First reference receiver to provide Universal Signal Tracking. Using a patented technology, the NET-G3A incorporates 144 Universal Tracking Channels, capable of tracking signals from all available systems (GPS, GLONASS, GALILEO) as well as all future planned satellite positioning constellations.

The NET-G3A is intended for use as a highly sophisticated CORS (Continually Operating Reference Station), whether this is working alone as a standalone base station on a local worksite or as part of a regional or national network correction service. With an integrated web interface, the NET-G3A can be configured remotely via your standard web browser.



NET-G3A



KEY FEATURES - NET-G3A

- 144 Universal Channel Paradigm-G3 Chip
- Multi-Constellation Technology
- Low power consumption
- Superior Signal tracking and Performance
- Compatible with ALL signals for existing and planned satellite navigation systems

GNSS



GB-3



KEY FEATURES - GB-3

- Dual frequency receiver
- Flexible system
- Suitable for base station static or backpack solutions
- 72 Universal Channel G3 Chip Technology
- Selectable Port Configuration

The GB-3 introduces our incredible G3 technology to users who like to keep their options open when it comes to configurations. Featuring the latest 72 Universal Channel G3 Technology capable of receiving signals from all present and future satellite constellations GPS, GLONASS and Galileo. A stand alone receiver without internal antenna or modem, the GB-3 offers maximum flexibility for use as a reference stations, mobile base station for RTK, static or kinematic survey of RTK rover backpack solutions.



GB-3 - Versatile G3 GNSS Receiver

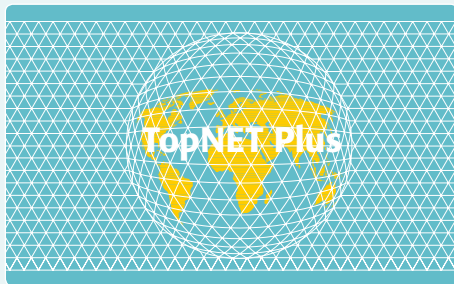


G3-A1 Geodetic Antenna

TopNET+ Correction Software / TopconTools – Processing Software

TopNET+ – Is Topcon's dedicated GNSS network correction software which is in use throughout Europe providing correction services for end users. Subscribers to such services can carry out their usual surveying activities without the need for a GNSS base station, as network corrections are supplied to the rover using a low cost GPRS connection, offering real time positioning in the coordinate system

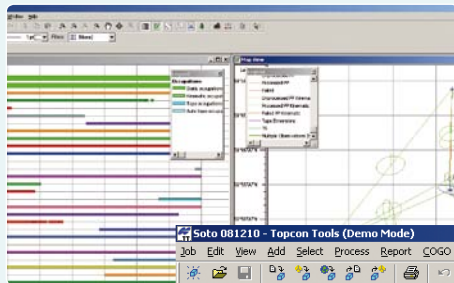
of your choice. With a number of different accuracy levels available, TopNET+ subscription services can be used for mapping level activities such as local authority asset management, precision agricultural tasks, up to the highest level of Network RTK suitable for most surveying, engineering and machine control projects.



KEY FEATURES - TopNET Plus

- Multi-constellation system
- Fully scalable solution
- Choice of communications type
- Quality monitoring of satellite and site parameters
- Automated email based warning system Station
- Upgrade from CORS to VRS Network Correction service

GNSS



KEY FEATURES - TopconTools

- Compatible with Windows XP, Vista and 7
- Modular system for all Topcon devices & controllers
- Customisable interface to suit the way you work
- Multiple graphical views of your data
- Import CORS data from your national network provider

TopconTools – Is our fully featured and intuitive Windows based software solution for downloading, managing, processing and adjusting field data from all of your survey measurement sensors. With a variety of modules available for GNSS post processing, RTK reporting, GIS processing, road design and much more!

In addition, TopconTools allows you to collect, process and adjust data from total stations and digital levels. Download raw GNSS data directly from your Topcon GNSS receiver or remotely via an internet connection from your regional CORS network Post-process using Static, Kinematic, Stop and Go methods.

Carry out full Least Squares adjustment and produce wide-ranging reports which can be output to Word, Excel or HTML. Choose from a number of graphical map, time based or tabular representations of the data.