

Reference Station Software Suite



- Supports GNSS operation
- Scalable solution in both functionality and geographic coverage area
- Easily upgraded from small local network to large regional network
- Continuously Operating Reference Stations (CORS) easy upgrade to modeled network data corrections

Topcon's concept is to provide a suite of TopNET products that offer a wide range of network functionality scalable from a single site to a large geographical area. Topcon's TopNET can be configured to offer complete control over a single CORS site or a network of CORS sites. Additional options include GPS+GLONASS RTK, or modeled data corrections – using information from all Reference Stations on the network, to reduce errors and improve precision and productivity.

TopNET CORS

Entry level CORS (Continuously Operating Reference Station) product providing advanced support for Post Processed Geodetic Surveys and Mapping. RTK (single baseline vectors) service is possible via UHF radio(s) broadcasting from each reference station.

TopNET RTK

Advanced CORS and RTK (single base) data services offers the same features as TopNET CORS plus rover communications by cellular/internet.

TopNET +

Full suite of GNSS Reference Network management tools builds on TopNET RTK by adding Network RTK (modeled solution) to the data services available. Extends traditional RTK capabilities and significantly improves initialization times when the rover is a long distance from the nearest reference station.

Topcon TotalCare

This online resource comes with real live people ready to help. Get expert training from Topcon University's large collection of online materials, and expert help directly from Topcon Technical Support.

Access software and firmware updates, current publications, and guidance from the experts at Topcon all right from your computer or mobile device.

Please visit the TotalCare website to learn more.
topcontotalcare.com



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ADVANCED FEATURES

GNSS Receiver Technology

Topcon offers the widest selection of GPS+GLONASS receivers in the industry, including one receiver designed specifically with operation in network systems in mind, the Net-G3A. This receiver incorporates Topcon's advanced multi-tracking capability for improved performance and accuracy. With the addition of the GLONASS satellites to the existing NAVSTAR US satellites, the Topcon GPS+GLONASS system provides full 24 hour coverage where GPS only systems suffer from down time. With additional satellites overhead, operation in areas with numerous obstructions is also improved. Finally, the additional satellites offer a positive contribution to satellite geometry or DOP, and provide improved precision over GPS only systems.

Flexible and Secure Operation

A company or agency offering GNSS reference station services to their own employees or the surrounding community demand system flexibility without sacrificing security. With TopNET you can log, archive, and post raw data files, convert to RINEX, and upload native raw files and RINEX files to an FTP site, all under the security and control of a designated System Manager. The System Manager has full rights to control remote receivers, give full rights or subset of the controls to users in the field, and give full control over all aspects of the receiver and data logging.

A fully operational network system goes beyond just the software component. When considering a network system solution, make sure you get a complete package including software, hardware, technical support and installation assistance.

FUNCTIONALITY COMPARISON

Functionality	TopNET CORS	TopNET RTK	TopNET +
TopNET-S Module	X	X	X
TopNET-R Module	X	X	X
TopNET-N Module		X	
TopNET-V Module			X
Accounting Module*		X	X
Download Center	X	X	X
Remote Firmware Upgrade	X	X	X
Complete Receiver Control	X	X	X
Cellular Connection		X	X
RTK Correction		X	X
Automatic Selection of Closest Reference Station to a Rover Receiver		X	X
Selection of a Specific, User Selectable Reference Station		X	X
Incorporation of Third Party Reference Stations		X	X
Network RTK Correction			X

* Optional Add-on Module

Your local Authorized Topcon dealer is: