

Trimble R750 Model 2

Modular GNSS receiver

Connected receiver for precise jobsite measurement

Whether you need a reliable GNSS base station or a rugged rover, the **Trimble® R750 Model 2 modular GNSS receiver** gives you the connectivity and flexibility to meet the exact needs of your GNSS-based workflow. As a permanent or semi-permanent base station, it provides GNSS corrections for site measurements and machine control. As a vehicle-mounted rover it can be used for fast, effective grade checking and surface mapping.

The R750 Model 2 receiver can access all available satellite signals and provides improved performance and reliability in challenging GNSS conditions using constellation-agnostic Trimble ProPoint® technology. Reliably transfer data from the field to the office to keep everyone on the same page. The modular R750 Model 2 receiver is available in a range of options to suit your jobsite requirements in a wide variety of civil and marine construction applications. Simply purchase the receiver that you need today, and upgrade as your needs change.

Secure and easy to use

The R750 Model 2 is comprised of an integrated GNSS receiver and radio plus a choice of external GNSS antenna. The receiver can be placed in a secure environment such as the job trailer or T-bar lock box where it is protected from theft and weather. The less expensive antenna can be placed in a location with clear visibility to the sky and maximum radio coverage.

You don't have to be a GNSS expert to use the R750 Model 2. Integrated dual-band 450/900 MHz radio and Trimble Siteworks software compatibility make the R750 Model 2 easy to use, fast to set up and more productive on the job. Trimble Autbase™ technology enables anyone on the jobsite to perform daily base station set up with one button push.

Integrated 4G LTE modem

Integrated dual-band radio option for base and rover tasks

Uses off-the-shelf USB-C power delivery to extend operating time



Trimble CenterPoint® RTX activated and ready to use

Rapid daily base station setup with a single button push using Trimble Autbase technology

Scan the QR code for a quick and convenient way to connect with your phone



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Reduce downtime and unnecessary travel time and costs

For temporary or permanent base setups remote management of the R750 Model 2 enables performance monitoring, status checks, and configuration changes from anywhere. Eliminate costly trips for routine diagnostics and adjustments, especially in remote locations. Timely notifications minimize downtime and maximize productivity.

Stay connected and update site information in real time. Broadcast RTK corrections from a remote base over the internet using the integrated LTE modem and Trimble Internet Base Station Service (IBSS). Receive RTK corrections directly from Trimble VRS Now™ or other NTRIP internet correction services.

Improved accuracy and connectivity

The R750 Model 2 base uses Trimble Maxwell™ 7 GNSS technology to track all-in-view GNSS constellations and signals, giving you more reliable coverage to keep you up and running.

Experience unmatched rover performance and productivity in challenging environments with Trimble ProPoint technology. Its advanced signal filtering and error modeling means better protection against jamming, spoofing and multipath interference for increased accuracy and reliability.

Maximize fleet compatibility with the R750 Model 2 base. Its dual-band radio, combined with an external UHF radio like the TDL510 or TDL450B, enables seamless operation with mixed fleets utilizing both 900 MHz and 450 MHz frequencies.

Included at no cost for the first 12 months, Trimble CenterPoint RTX is a real-time GNSS correction service available globally via satellite or the internet. It provides RTK-level accuracy at fast convergence times, without the need for a base station or real-time network. Learn more at rtx.trimble.com

Trimble xFill® technology seamlessly fills gaps in RTK or VRS positioning if the correction stream is lost, while Trimble IonoGuard™ technology mitigates the negative effects of solar activity on GNSS signals, reducing downtime and expanding site productivity.

Simple configuration options

The R750 Model 2 includes all constellations as standard, just select the base or base/rover option to get started.

Trimble Civil Construction

10368 Westmoor Drive
Westminster, CO 80021
USA