THE FUTURE: now available.

Trimble
GPS SYSTEMS

Real productivity comes from a powerful interaction between technology, ergonomics, and software. With significant advances in all three, Trimble GPS systems offer unsurpassed quality and performance.

KEY FEATURES OF TRIMBLE R8 AND TRIMBLE 5800 GPS SYSTEMS

QUALITY GPS TECHNOLOGY
Dual-frequency, RTK, GPS and WAAS/EGNOS receiver.

RUGGED AND COMPACT RECEIVER
Fully integrated GPS receiver and antenna, datalink radio, Bluetooth® communications and removable battery. Built to survive a pole drop of up to 2 m (6 ft) and can be submerged in 1 m (3 ft) of water.

EXTREMELY LIGHTWEIGHT
The entire system, including batteries, weighs just 3.5 kg (7.8 lb).

BLUETOOTH WIRELESS TECHNOLOGY
Absolutely 100-percent cable-free.

INTEGRATED RADIO
The Trimble® 5800 supports an internal and fully integrated 450 or 900 MHz radio receiver. Trimble R8 supports an internal and fully integrated 450 MHz or GSM radio. The 450 MHz radio can be upgraded to transmit capability.

LOW POWER CONSUMPTION
Power consumption is less than 2.5 W.

INTERNAL MEMORY
For efficient data logging on postprocessing surveys, the 5800 offers 2 MB of internal memory. The Trimble R8 offers an additional 4 MB.

TRIMBLE R8 GPS SYSTEM

PROTECT YOUR INVESTMENT

Trimble R8 features the new Trimble R-Track technology, which is capable of tracking the new GPS civilian signal, L2C.

ZERO CABLES AT THE BASE STATION

The unique, future-ready Trimble R8 is now a 100% cable-free base station. Trimble R8 offers all the high-quality performance you would expect from a Trimble GPS base receiver and radio—all in one integrated unit. The internal 450 MHz radio can be upgraded to transmit capability, making an external radio unnecessary. Switch Trimble R8 from base to rover functions for unsurpassed flexibility, and increase your productivity with its easy setup and wireless convenience.

THE ULTIMATE TRIMBLE VRS ROVER

Trimble R8 rover users can now experience even greater efficiency with the new integrated GSM option. The mobile phone is built right into the receiver, creating a clean and ultra-rugged field solution. The Trimble R8 rover is ideal for use in a Trimble VRS™ network.

TRIMBLE R-TRACK TECHNOLOGY

In 1999, a plan was announced to modernize GPS with two new civilian navigation signals. The first new signal, known as L2C is scheduled to be available on all new satellites that are launched. Trimble's unique R-Track technology is designed to utilize this signal and deliver the advantages of GPS modernization to the survey professional. The L2C signal will result in an increase of signal strength on the L2 frequency. The Trimble R8 and Trimble R7 with R-Track technology will deliver improved tracking performance on satellites transmitting L2C.

To be competitive in today's survey world you need flexible tools that are ready to take on new challenges when the time comes.

KEY FEATURES OF TRIMBLE R7 AND TRIMBLE 5700 GPS SYSTEMS

MODULAR DESIGN
The receiver can be clipped to your belt, tucked into a comfortable backpack, attached to a tripod, or configured with all components on a compact lightweight range pole.

FULL METAL JACKET
Magnesium alloy case for the toughest mechanical and waterproofing specs in the business.

INTEGRATED RTK RADIO LINK
Built-in high-performance 20 MHz span UHF radio modem receiver with up to 20 channels.

WAAS AND EGNOS
Conduct real-time differential GIS grade surveys and navigation without a base station when working in areas of WAAS/EGNOS coverage.

HIGH-CAPACITY COMPACTFLASH
Up to 128 MB of internal removable CompactFlash memory stores more than 3,400 hours of continuous L1/L2 data collection at an average of 30-second intervals.

LIGHTNING-FAST USB PORT
Transfer data to a PC at speeds of more than 1 megabit per second—10 times faster than the fastest serial port.

OUTSTANDING POWER MANAGEMENT
Receiver works all day on a single charge of its two tiny internal camcorder batteries. Built-in charger adds speed and convenience.

LIGHTWEIGHT
Weighs only 1.4 kg (3 lb), including all-day batteries.

TRIMBLE R7

The Trimble R7 RTK GPS receiver puts you on track for the future of GPS surveying. The Trimble R7 features Trimble's new R-Track technology, which includes the capability of tracking the new civil signal, L2C. The combination of R-Track and all the features and functionality of the 5700 RTK GPS receiver allows you to maximize your return on investment by purchasing a system that is ready for the future.

HIGH-ACCURACY ANTENNA OPTIONS

LIGHTWEIGHT, HIGH-ACCURACY ZEPHYR GPS ANTENNA

Zephyr™ technology for extremely low multipath, outstanding low elevation tracking, and sub-millimeter phasecenter accuracy. Geodetic performance in a compact form.

HIGH-ACCURACY ZEPHYR GEODETIC ANTENNA

The Trimble Zephyr Geodetic antenna has demonstrated performance to meet the highest Geodetic standards in extensive tests. Submillimeter phase center repeatability, better low elevation tracking and significantly reduced ground-bounce multipath with the new Trimble Stealth ground plane technology all add up to the best accuracy ever from a portable antenna.

STEALTH TECHNOLOGY

The Trimble Zephyr Geodetic™ antenna uses the patented Trimble Stealth™ ground plane. This revolutionary design literally burns up multipath energy using technology similar to that used by Stealth aircraft to hide from radar.

The Zephyr and Zephyr Geodetic antennas have broken new ground in survey GPS antenna technology. For additional information, see the Trimble white paper, "Advancements in GPS Antenna Technology: The New Trimble Zephyr Antennas," available on www.trimble.com.

Today's surveyor must be a master of many technologies, bringing both optical and GPS measurements into a single project. Trimble surveying systems make this integration seamless and simple.

Take radical control of any survey with your GPS system, including the powerful and innovative Trimble controller and field software of your choice.

The Trimble CU controller is especially designed for use with both Trimble GPS systems and the Trimble S6.

Trimble's TSC2™ controller offers a handheld form factor for a range of surveying instruments.

CHOOSE YOUR TRIMBLE CONTROLLER

Trimble controllers provide a single, easy-to-use interface for all your tasks and all your instruments, including Optical. Each controller's Windows CE.Net operating system is familiar and easy to learn.

The extremely rugged Trimble CU and TSC2 Controllers offer the latest innovations:

Advanced communication technologies for greater field efficiency: Easily send and receive files by e-mail and via the Internet using an external cellular modem. Bluetooth technology provides cable-free communication.

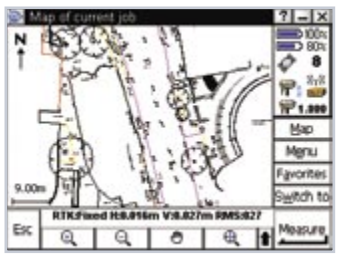
Advanced graphic display: The color touch screen makes software navigation quick and easy, and the graphic display gives real-time feedback. Upload a 3D design file to the controller and enjoy the flexibility to adapt your work to changing site conditions. The illuminated TFT display and keyboard are very easy to use.

Control using all your senses: Apply all your senses when controlling a survey—hear audio feedback in real time, and record voice messages in the field.

POWERFUL TRIMBLE FIELD SOFTWARE

Improve your field performance and the quality of your results with the help of the field-proven Trimble Survey Controller™ software or one of Trimble's powerful local solutions. Designed by surveyors for surveyors, Trimble field software runs on your choice of Trimble controller to optimize the performance of your GPS or Optical system.

Single Job File



Map-Centric

Quality Control

Graphical Roading Stakeout

INTEGRATED SURVEYING BRINGS IT ALL TOGETHER

FULLY INTEGRATED SURVEYING™ SYSTEM FOR FULL FLEXIBILITY

Trimble sensors and controllers are designed to support and seamlessly integrate GPS and optical systems. And the result is a total surveying solution that's so advanced it's simple.

All functions, whether GPS or optical, are handled by the same control interface, and all data is seamlessly integrated into a single data file. That means just one controller, one software, one interface, and one job file. So you can set control with a Trimble GPS system and then moments later use that control data with the Trimble S6. Just detach the controller from the GPS rover and attach it to the total station…on the instrument or the rover.

When you buy a Trimble GPS system you're not just acquiring an advanced surveying solution, you're adding a partner, a partner with a sincere interest in your success.

TRIMBLE: A PARTNER IN YOUR SUCCESS

At Trimble, many of our staff are surveyors, which accounts for the results-driven character of our product offerings...and for the special empathy we feel for the challenges you face.

We're proud of our long history of ground-breaking innovations—advances that have resulted in a comprehensive set of integrated tools that bring new efficiencies to every aspect of the profession. But we're not only developing new technologies, we're innovating new ways to support those technologies as well.

With sales and support offices in over 100 countries, on five continents, and a network of certified dealers around the world you can rest assured that a Trimble representative is always ready to lend a hand with the technical or service assistance you need.

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