

# Product Bulletin

TRIMBLE GEOSPATIAL DIVISION

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**TRIMBLE DISTRIBUTOR CONFIDENTIAL**

## INTRODUCING THE TRIMBLE R980 GNSS SYSTEM

### Seamless connectivity. Total confidence.

Trimble is pleased to announce the release of the Trimble® R980 GNSS system, the new flagship Trimble GNSS receiver that provides unmatched GNSS performance with connected workflows to elevate productivity for land surveyors.

The Trimble R980 unlocks peak accuracy and connectivity with proven Trimble GNSS performance. Trimble ProPoint® GNSS technology ensures robust data capture even in tough environments, while high-performance Trimble Inertial Platform™ IMU-based tilt compensation lets you work without leveling the pole. Plus, with a full suite of enhanced connectivity options, it's easier than ever to access the corrections needed in real time, directly from the field.



### Key Features and Benefits

- Trimble TIP™ IMU-based tilt compensation technology
- Industry-leading Trimble ProPoint GNSS positioning engine
- Integrated worldwide 4G LTE cellular modem
- Optional dual-band 450/900 MHz or 450 MHz-only (RED compliant) UHF radio
- Dual Trimble Maxwell™ 7 GNSS ASICs with 672 tracking channels
- Trimble IonoGuard™ technology
- Trimble CenterPoint® RTX corrections support
- Trimble xFill® technology
- IP67 rugged construction
- 9 GB internal memory
- Android™ and iOS device support

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## Software Compatibility

- Trimble Access™ version 2024.00 (all supported data collectors and tablets)
- Trimble Business Center version 2024.00
- Trimble Siteworks version 1.71
- Trimble TerraFlex™ version 2024.20

## Trimble R980 GNSS Receiver Hardware Variants

Model	Description
Model 50	Integrated dual-band 450/900 MHz UHF radio, worldwide 4G LTE cellular modem
Model 40	RED-compliant integrated 450 MHz UHF radio, worldwide 4G LTE cellular modem
Model 00	No integrated UHF radio, worldwide 4G LTE cellular modem

**Note:** 900 MHz UHF transmit capability is only available where legally permitted; currently USA, Canada, Australia, and New Zealand.

## Trimble R980 GNSS Receiver Hardware Kit Part Numbers

Part Number	Description
R980-101-50-01	Trimble R980, Model 50, ROW
R980-101-40-01	Trimble R980, Model 40, ROW
R980-101-00-01	Trimble R980, Model 00, ROW

**Note:** Dual Battery Charger and Power Supply / Power Cord for Dual Battery Charger sold separately (P/N 101070-00-xx).

## Trimble R980 GNSS Receiver Configuration Levels

The Trimble R980 is available with either traditional perpetual or one-year termed configuration levels. Termed configuration levels require annual renewal. Regardless of which type of configuration level will be assigned to a Trimble R980 receiver, the hardware must be purchased separately.

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All Trimble R980 GNSS receiver perpetual and termed configuration levels include support for all GNSS constellations, triple-frequency (L5) tracking, 20 Hz measurements, NMEA outputs, and a 12-month subscription to Trimble CenterPoint RTX correction services. Configuration levels with rover functionality include Trimble xFill activation (no subscription required) and Trimble TIP IMU-based tilt compensation. Lite (LT) perpetual configuration levels do not include tilt compensation or Trimble xFill activation. Upgrade options are available to add functionality for receivers with perpetual configuration levels.

## Available perpetual configuration levels

Part Number	Description
R980-BRO	Trimble R980 Configuration Level - Base and Rover Mode
R980-ROV	Trimble R980 Configuration Level - Rover Mode
R980-BAS	Trimble R980 Configuration Level - Base Mode
R980-BRO-LT	Trimble R980 Configuration Level - LT Base and Rover Mode
R980-ROV-LT	Trimble R980 Configuration Level - LT Rover Mode

## Available termed configuration levels

Part Number	Description
R980-BRO-T-01	Trimble R980 Configuration Level - Base and Rover Mode (Termed)
R980-ROV-T-01	Trimble R980 Configuration Level - Rover Mode (Termed)

## Available upgrade options for perpetual configuration levels

Part Number	Description
R980-UPG-BAS	Trimble R980 Upgrade - Enable Base Mode
R980-UPG-ROV	Trimble R980 Upgrade - Enable Rover Mode
R980-UPG-IMU	Trimble R980 Upgrade - Enable IMU Functions
R980-UPG-XFL	Trimble R980 Upgrade - Enable Trimble xFill

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## Upgrade options applicability

Upgrade Option Part Number	Configuration Level Base	Configuration Level Rover	Configuration Level Rover Lite	Configuration Level Base & Rover	Configuration Level Base & Rover Lite
R980-UPG-BAS		•	•		
R980-UPG-ROV	•				
R980-UPG-IMU	•		•		•
R980-UPG-XFL	•		•		•

## Trimble R980 GNSS Receiver Protection Plans

Part Number	Description
EWLS-R980-STOCK	TPP - Hardware - R980 GNSS Receiver (12m expiration)
EWLS-R980-1M-STOCK	TPP - Hardware - R980 GNSS Receiver, 1 month (12m expiration)
EWLS-R980-STK-RNST	TPP - Hardware - R980 GNSS Receiver Reinstatement (12m expiration)
EWLS-R980-FW-STOCK	TPP - Firmware - R980 GNSS Receiver (12 month expiration)
EWLS-R980-FW-1MSTK	TPP - Firmware - R980 GNSS Receiver, 1 month (12m expiration)
EWLS-R980-FWSTKRNST	TPP - Firmware - R980 GNSS Receiver Reinstatement (12m expiration)
ADLS-GNSS3-BNDLE-STK	Trimble Protected Premium - R12 or R12i GNSS, 5 Years w/Firmware (12m expiration)

## Trimble R980 GNSS Receiver Accessories

All Trimble R12i accessories are compatible with the Trimble R980 GNSS receiver, with the exception of the UHF rubber duck antenna and external UHF antenna cable. This is due to the fact that the Trimble R980 GNSS receiver makes use of a reverse polarity SMA UHF antenna connector to support the 900 MHz UHF spectrum.

For a complete list of compatible accessories, please refer to the Trimble Geospatial Accessories catalog available at <https://geospatial.trimble.com/en/geospatial-accessories>.

<https://surveypartners.trimble.com>

## Trimble R980 GNSS Receiver Availability

The Trimble R980 GNSS receiver is orderable immediately, subject to region- and country-specific type approvals.

### Region- and country-specific type approvals

Model	Approved regions and countries
Model 50	USA, Canada, European Union, United Kingdom, Australia, New Zealand, Korea, Türkiye, India, Eurasian Economic Union (EAC)
Model 40	South Africa
Model 00	All Model 50 and Model 40 approved regions and countries

## Trimble R980 GNSS Receiver Marketing and Sales Assets

The following resources will be available to download from the Survey Partners website:

- Videos - Launch, Overview, Tutorials
- Literature
  - R980 spec sheet
  - R980 info sheet
- Product and application images
- Digital assets
- Release media kit
- Merchandise designs



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# Trimble R980 GNSS Receiver Technical Assets

- Online help
- User guide
- Quick start guide
- Product bulletin
- Distributor FAQ
- Distributor presentation
- GNSS product comparison
- Product catalog and configuration guide
- Tender lockout specs

### Product Comparison

TRIMBLE GEOSPATIAL GNSS PORTFOLIO

	Integrated System			
	R880	R120	R760-Z	R580
GNSS surveying	Real-Time (RTU/VEGATE) and Post-processed	Real-Time (RTU/VEGATE) and Post-processed	Real-Time (RTU/VEGATE) and Post-processed	Real-Time (RTU/VEGATE) and Post-processed
Tracking technology	Trimble 360	Trimble 360	Trimble 360	Trimble 360
Channels	472	472	472	336
Solution type	Trimble ProPoint GNSS	Trimble ProPoint GNSS	Trimble ProPoint GNSS	Trimble ProPoint GNSS
Tie computation technology	Trimble TIP*, Multi-Band, 30"	Trimble TIP*, Multi-Band, 30"	Trimble TIP*, Multi-Band, 30"	No

### QUICK START GUIDE

## Trimble R980

GNSS SYSTEM

- Radio
- Data logging download
- Substrate
- WiFi
- Power button with battery LED
- SM card slot
- RP-SMA LHF radio antenna connector (receiver models with external radio only)
- Battery compartment with removable battery
- Part 1 (black): serial power in
- Part 2 (yellow): USB power in
- Quick release adapter with 5/8-11 threaded insert

**CAUTION** - Before operating this product, read the safety warnings and information. Go to [receiverhelp.trimble.com/R980-gnss](http://receiverhelp.trimble.com/R980-gnss).

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## For more information

For more information, contact your local Trimble Sales Manager.

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