

Trimble R980

GNSS system

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This configuration sheet lists all options available and explains the configuration logic and possible upgrade paths for the Trimble® R980 GNSS receiver. The receiver ships as a Standard Firmware Configuration (Step 1). Configuration Levels (Step 2), Extended Hardware Warranty and Firmware Maintenance (Step 3), and Individual Options (Step 4) are delivered electronically and are not allocated to a specific receiver at the time of purchase.

All Trimble R980 GNSS receiver hardware, configurations and options need to be ordered via the Trimble Store. The Trimble Virtual Warehouse is used to allocate configurations and options to specific serial numbers, and to configure radio settings at the time of sale to end users. Trimble Installation Manager provisions licensing information and radio settings to the receiver and updates to the latest firmware.



PHYSICAL DELIVERY

STEP 1: Choose Hardware Variants

1.1 Choose Receiver with Communication Option

Trimble R980, no internal radio

Trimble R980, internal wide-band UHF radio (403–470 MHz)

Trimble R980, integrated dual-band 410–470 / 902–928* MHz UHF radio
 *(Note: 900 MHz UHF transmit capability only available where legally permitted, currently USA, Canada, and Australia).

Standard Firmware Configuration

Single frequency GPS, 672 Channels

Bluetooth®, 4G LTE cellular, binary outputs, 5 Hz max.

Data logging, WebUI with login

1.2 Standard Receiver Kit includes:

Trimble R980 receiver, quick release adapter, USB office data-power cable, USB field cable, transport case, batteries x2, international power supplies, and AC power cord (region specific), warranty card, activation card, and WEE statement card

Trimble R980 receiver, UHF Radio antenna, quick release adapter, USB office data-power cable, USB field cable, transport case, batteries x2, international power supplies, and AC power cord (region specific), warranty card, activation card, and WEE statement card

Trimble R980 receiver, dual-polarity UHF Radio antenna, quick release adapter, USB office data-power cable, USB field cable, transport case, batteries x2, international power supplies, and AC power cord (region specific), warranty card, activation card, and WEE statement card

No RTK, no VRS

No SBAS, no NMEA

Precision level 30 cm horizontal / 30 cm vertical

ELECTRONIC DELIVERY

STEP 2: Choose Configuration Level Perpetual	xFill®	Tilt-IMU	Base only (Triple Frequency)	Rover/Network Rover (Triple Frequency)	One-year Trimble CenterPoint® RTX subscription
Base and Rover (Triple Frequency) includes: xFill, Base only and Rover/Network Rover only features, Triple Frequency, 20 Hz, NMEA, all constellations	Included	Included	Included	Included	Included
Base and Rover Lite (Triple Frequency) includes: Base only and Rover/Network Rover only features, 20 Hz, NMEA, all constellations	\$	\$	Included	N/A	Included
Rover/Network Rover only (Triple Frequency) Includes: xFill, Rover/Network Rover only features, Triple Frequency, 20 Hz, NMEA, all constellations	Included	Included	\$	Included	Included
Rover/Network Rover Lite (Triple Frequency) includes: Rover/Network Rover only features, Triple Frequency, 20 Hz, NMEA, all constellations	\$	\$	\$	Included	Included
Base (Triple Frequency) includes: Base only, 20 Hz, NMEA, all constellations	\$	\$	Included	\$	Included

Note: All constellations include the following: GPS, GLONASS, QZSS, IRNSS, BeiDou and Galileo

ELECTRONIC DELIVERY (CONT.)					
STEP 2: Choose Configuration Level Subscription	xFill	Tilt-IMU	Base only (Triple Frequency)	Rover/Network Rover (Triple Frequency)	One-year Trimble Centerpoint RTX subscription
Base and Rover (Triple Frequency) includes: xFill, Base only and Rover/Network Rover only features, Triple Frequency, 20 Hz, NMEA, all constellations	Included	Included	Included	Included	Included
Rover/Network Rover only (Triple Frequency) includes: xFill, Rover/Network Rover only features, Triple Frequency, 20 Hz, NMEA, all constellations	Included	Included	\$	Included	Included
Base (Triple Frequency) includes: Base only, 20 Hz, NMEA, all constellations	\$	\$	Included	\$	Included

Note: Subscription configuration can not be upgraded and are one year term

STEP 3: Add Extended Hardware Warranty and Firmware Maintenance	
TPP - Hardware - Trimble R980 Receiver (12-month expiration) www	A maximum of four years of Extended Hardware Warranty can be applied to a new receiver that is still under Standard/Factory Hardware Warranty. This will protect the investment for a total of five years, and will cover for warranty repairs during that timeframe. In case receivers have been purchased at different dates, which will result in different warranty end dates, one-month extended warranty increments are available as well to set a fleet of receivers to a desired warranty end date.
TPP - Hardware - Trimble R980 Receiver Reinstatement (12-month expiration)	In case of a lapse in Hardware Warranty, the receiver needs to be inspected by a Trimble Service Provider before Extended Hardware Warranty can be re-instated. A dedicated Hardware Warranty Re-Instatement part number is available for purchase.
TPP - Firmware Maintenance - Trimble R980 (12-month expiration)	Extended Firmware Maintenance will provide access to the latest GNSS firmware versions and can always be added to a receiver. Extended Firmware Maintenance is always added to the previous expiration date. Installing the latest GNSS receiver firmware is always recommended as it represents the state-of-the-art in GNSS firmware development and performance to maximise productivity.
TPP - Firmware Maintenance - Trimble R980 Reinstatement (12-month expiration)	A reinstatement plan is required if Firmware Maintenance coverage has lapsed by more than 90 days. As with other reinstatement plans, the purchase date will be the new protection plan start date.

STEP 4: Choose Individual Options		Base and Rover	Base and Rover Lite	Rover/Network Rover only	Rover/Network Rover only Lite	Base only
Base	The base options gives the receiver the capability to transmit correction sources.	Included	Included	\$	\$	Included
Rover	The rover options gives the receiver the capability to receive corrections.	Included	Included	Included	Included	\$
xFill	xFill is a service that extends RTK positioning for several minutes when the RTK correction stream is temporarily unavailable. The xFill service improves field productivity by reducing downtime waiting to re-establish RTK corrections in black spots.	Included	\$	Included	\$	\$
Tilt-IMU	Trimble Inertial Platform™ (TIP™) tilt compensation technology which enables points to be measured or staked out while the rod is tilted for faster and more accurate measurements.	Included	\$	Included	\$	\$
Remove Geofence	Trimble R980 GNSS receivers sold into specific regions (China and Latin America) cannot perform RTK surveys outside the defined geo-fenced area. The Remove Geo-Fence option removes those restrictions to allow Post-Processing or RTK surveys worldwide without regional restrictions.	\$	\$	\$	\$	\$

Ordering: Trimble Store (<http://partnerstore.trimble.com/>)
License Allocation and Configuration: Trimble Virtual Warehouse (<http://partnerstore.trimble.com/>)
License and Configuration Provisioning: Trimble Installation Manager (<http://www.trimble.com/installationmanager>)
Trimble License Viewer (<http://licenseviewer.trimblegeospatial.com>, <https://play.google.com/store/apps/details?id=com.trimble.licenseviewer>)