



# Support Bulletin

GEOSPATIAL DIVISION  
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## TRIMBLE SURVEY GNSS

### Special note on GPS Week Number Rollover Occurring April 2019

A GPS week number rollover (WNRO) will occur at the end of the GPS day on 6 April 2019. Because the GPS message structure broadcast by the satellites defines the week as a 10-bit value, the GPS messages will indicate that the week has changed from 1023 to week 0.

Trimble® has performed tests using a GNSS simulator to verify that Trimble Survey GNSS receiver firmware correctly handles the week rollover in different scenarios, including real time kinematic and static surveys with various input and output messages, as well as data file format conversions.

To prepare for the week number rollover, it is recommended to install the latest receiver firmware version using Trimble Installation Manager for current products or Trimble WinFlash for legacy products. All Trimble receivers with firmware version  $\geq 2.32$  will continue to operate normally following the rollover.

This document is for informational purposes only and is not a legally binding agreement or offer. Trimble makes no warranties and assumes no obligations or liabilities hereunder.

[geospatial.trimble.com](http://geospatial.trimble.com)

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## Minimum and recommended receiver firmware versions

The table below shows the minimum and recommended firmware versions for all Trimble receivers (Year 2000 and beyond). Protection plans, including receiver firmware maintenance, are available for upgrading your receiver to the current firmware version, if required. See your local distributor for information on protection plans.

**Please note that the 5700 Model 1, 5800 Model 1, and R8 Model 1 require the minimum version documented in the table below to continue to function properly after the WNRO event on 6 April 2019.**

GPS and GNSS Hardware	Supported Firmware Versions	
	Minimum	Recommended
Trimble 5700 Model 1	2.32	2.32
Trimble 5700 Model 2	All Versions Supported	4.90
Trimble 5800 Model 1	2.32	2.32
Trimble 5800 Model 2	All Versions Supported	4.43
Trimble R2	All Versions Supported	5.40
Trimble R4 Model 2 and Model 3	All Versions Supported	5.40
Trimble R4 Model 2	All Versions Supported	5.40
Trimble R4 Model 1	All Versions Supported	4.64
Trimble R5	All Versions Supported	5.00
Trimble R6 Model 3 and Model 4	All Versions Supported	5.40
Trimble R6 Model 2	All Versions Supported	4.64
Trimble R6 Model 1	All Versions Supported	4.64
Trimble R7 GNSS	All Versions Supported	5.00
Trimble R8 Model 3 and Model 4	All Versions Supported	5.40
Trimble R8 Model 2	All Versions Supported	4.64
Trimble R8 Model 1	2.32	2.32
Trimble R8s	All Versions Supported	5.40
Trimble R9s	All Versions Supported	5.40
Trimble R10 + Trimble R10 LT	All Versions Supported	5.40
Trimble R10 Model 2	All Versions Supported	5.40
Trimble NetR9 Geospatial	All Versions Supported	5.40

## Trimble Data Collectors

The table below shows the Trimble Survey Data Collectors containing GPS positioning and timing chips. Trimble confirms that the following products of various models have been tested and are compliant for the 2019 GPS WNRO.

Trimble Product	GPS/GNSS Type	Result
TSC7	uBlox M8N	Compliant: All Versions Supported
TSC3	SiRFStar III / SiRFStar IV	Compliant: All Versions Supported
T10	NEO-M8N / NEO-M8T	Compliant: All Versions Supported
Trimble Tablet Rugged PC	uBlox Neo-6T	Compliant: All Versions Supported
Trimble Tablet Rugged PC (enhanced GPS)	uBlox Neo-7P	Compliant: All Versions Supported
SLATE	uBlox Neo-6T	Compliant: All Versions Supported
EM100 GNSS Module	TRIMBLE	Compliant: All Versions Supported
Geo7X Handheld	TRIMBLE	Compliant: All Versions Supported

## Trimble Business Center Office Software

TBC version v4.10 or later includes support for the WNRO, provided the GNSS receiver firmware has also been updated. Users of TBC v4.10 will need to install patch 3 (v4.10.3) and users of TBC v5.00 will need to install patch 2 (v5.00.2) available on [geospatial.trimble.com](http://geospatial.trimble.com) and through the “Check for Updates” utility within the software.

Affected users on older versions of TBC (<4.10.3) and whose warranty expired before 1 April 2018 will be given an opportunity to upgrade to v4.10.3 at no additional cost by going through regular Support channels.

### For more information

For more information visit Trimble’s GPS Week Number Rollover (WNRO) Resource Center at [www.trimble.com/wnro/](http://www.trimble.com/wnro/) or contact your local Trimble Distribution Partner.