



Support Note

GEOSPATIAL DIVISION
MARCH 2019

NOTICE ON GPS WEEK NUMBER ROLLOVER OCCURRING APRIL 2019

Trimble Mapping & GIS Handhelds and Receivers

A GPS week rollover will occur at the end of the GPS day on April 6, 2019, at which time the GPS week will transition from week 2047 to 2048. However, because the GPS message structure broadcasted by the satellites defines the week as at 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 the receiver firmware of our Mapping & GIS handhelds and receivers correctly handle the week rollover in different scenarios.

To prepare for the week number rollover, it is recommended to install the latest receiver firmware version available on the [Trimble GIS web page](#) under the Support & Downloads section of the relevant product page, or by visiting [Support A-Z](#) for legacy products.

Mapping & GIS hardware

The table below shows the Trimble Mapping & GIS portfolio receivers and handhelds (released 2005 and beyond) that will continue to operate normally following the WNRO event, providing that the receiver firmware version is up to date. See your local distributor for information on updating the firmware on your devices, if necessary.

GPS and GNSS Enabled Device	Version
GeoExplorer® 2008 & 3000 series	GNSS firmware v2.11 or later
GeoExplorer 6000 series	GNSS firmware v3.06.1 or later
Geo 5T handheld	GNSS firmware v1.05.1 or later
Geo 7X handheld	GNSS firmware 4.50.3 or later
GPS Pathfinder® Pro 6T/6H receiver	GNSS firmware v1.03 or later
GPS Pathfinder ProXT/XH receivers	GNSS firmware v2.07 or later
GPS Pathfinder ProXRT receiver	GNSS firmware v4.44 or later
Juno® S series	OS firmware v5.0.2 or later
Juno 3 series	OS firmware v1.03.1 or later
Juno 5 series	OS firmware v1.0.8 or later
Nomad® 900 series	OS 1.2.2.0
Nomad 1050 series	OS 2.0
Nomad 5 handheld	All shipping firmware

<https://geospatial.trimble.com/GIS>

GPS and GNSS Enabled Device	Version
Yuma® rugged tablet computer	All shipping firmware
Yuma 2 rugged tablet computer	All shipping firmware
R2 GNSS receiver	GNSS firmware v5.40 or later
R1 GNSS receiver with recent firmware	GNSS firmware 5.09 or later
T10 tablet	All shipping firmware
EM100 Empower module	GNSS firmware 5.32 or later
TDC100 series	All shipping firmware
Trimble Catalyst™	Supported

For more information

For more information on the April 2019 GPS WNRO event, refer to the U.S. Department of Homeland Security [document](#). If you have questions about a device not listed above, or any other questions, please contact your local Trimble Distribution Partner.