



Product Bulletin

Embedded Technologies
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Trimble Condor Family WNRO Issue

Overview

The GPS chipset used in the Trimble Condor family of products has a Week Number Roll Over that occurs on April 07, 2019. Trimble is issuing new firmware that will extend the last day to September 27th 2036.

Part Numbers Affected

Trimble makes a range of Condor GPS modules. These are the part numbers that are affected by the WNRO.

Trimble Part Number	Description
68674-00	Condor C1011 GPS Module
68676-10	Condor C1216 GPS Module
68675-00	Condor C1722 GPS Module
67650-10	Condor C1919A GPS Module
67650-20	Condor C1919C GPS Module
70896-00	Condor C2626 GPS Module
68677-05	Silvana with C1919A
68677-55	Anapala with C1919A

Verification of WNRO

Trimble has performed tests for the WNRO (cutoff date) on FW version v1.30.00, which had a release date of 16th July 2010. The cutoff date is April 7th 2019. i.e., up till April 6th 2019, the dates are OK. After April 6th the dates will not be valid.

The firmware rolls over to week number 1024 (August 22, 1999).

The new firmware will have a cutoff date of September 27th, 2036. After this date the firmware will roll over to February 12th, 2017.

A Spectracom simulator using a GPS static scenario was used to perform our verification of this cutoff date.

<http://www.trimble.com>

Corrective Action

Trimble has been working on updating the firmware that will extend the WNRO to our Condor product family. New firmware is scheduled to be released in Q2 of 2017 at which point Trimble will verify the FW to ensure the problem is corrected and to release it onto our Condor family of products. New Condor modules will have the new FW in Q3 of 2017. The modules will have a new revision letter to identify that the modules have the latest FW.

Trimble Part Number	Product Name	Current Revision	New Revision
68674-00	Condor C1011 GPS Module	F	G
68676-10	Condor C1216 GPS Module	C	D
68676-20	Condor C1216 GPS Module	C	D
68675-00	Condor C1722 GPS Module	G	H
67650-10	Condor C1919A GPS Module	M	N
67650-20	Condor C1919C GPS Module	F	G
70896-00	Condor C2626 GPS Module	D1	E
68677-55	Anapala with C1919A	D	E

Firmware Update Process

The new firmware can be loaded onto existing Condor modules using the Flash Loader tool supplied in Trimble GPS Studio (TGS) or by the user writing code for their own host. Sample code is available on request.

For further questions and assistance please contact your local Trimble sales representative or send an email to tsgsupport@trimble.com.