

Topcon 3.4 G3 Firmware

Topcon's Version 3.4 G3 receiver firmware upgrades the performance and usability of all Topcon GNSS receiver platforms including the industry-leading GR-3 and new GRS-1 systems. The 3.4 G3 firmware is the first to be able to automatically detect the make of the network receiver creating corrections for the rover and applying the proper bias to the GLONASS system measurements contained in the GNSS network solution.

Different manufacturers have different offsets (or biases) for the GLONASS constellation of satellites. As each hardware manufacturer outputs different values for GLONASS measurements, it has been a challenge for a customer to mix systems or to operate inside of a GNSS network that was not of the same make as the rover. The Topcon user can enter the make of the base or network manually inside of TopSURV 7.2.3 field software, or the system will apply the proper offsets from the broadcast RTCM 1033 message automatically.

MAC Network RTK messages are now supported as well as user configurable troposphere parameters; also additional new RTCM messages are supported.

This new 3.4 version firmware, including detailed release notes, as well as all other Topcon firmware and software upgrades, are free downloads to Topcon customers from the Topcon support site.

<https://www.gim-international.com/content/news/topcon-3-4-g3-firmware>
