

Topcon GRS-1 Operating System Update

An update to the Topcon GRS-1 receiver's Operating System is now available. It is labeled as:

OS Version 1.50_EG [Feb 08 2001 08:53:00]

Below are Release Notes for this version of 1.50 as well as detailed instructions on the operating system update process. It is recommended that you read all instructions thoroughly prior to attempting the update process.

Topcon GRS-1 Operating System v1.50 Release Notes:

- Support for the new Q26Elite CDMA modem
- Support for Secure Digital High Capacity (SDHC), SD 2.0 memory cards
- Connection Manager is updated to version 1.0.16 Sep2009.
- Bluetooth Manager is updated to latest version of 2.28.4.
- Internal Battery level is changed where 30% is "Low", 20% is "Critical".
- The Operating System version is changed to AKU1.5.10. This fixes problems with menu options disappearing with different applications running on GRS-1 device.
- Support for latest Wireless Local Area Network (WLAN) display and touch panel drivers

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Topcon GRS-1 Operating System Update Process (File Setup):

Be sure to apply external power during this procedure. You will not be allowed to proceed with the Operating System update process unless your receiver is connected to an external power supply.

The Operating System update is contained within a single compressed ZIP file and is available from the Topcon University website of:

<http://www.topconuniversity.com/>

Download the ZIP file and store locally to your personal computer and unzip the file.

Copy the following data contained within the ZIP file to the root directory of an SD/SDHC card (preferably of Kingston, Toshiba or SanDisk brands):

- GMSXWM.rom (55.2MB)
- GMSXDIAG.ROM (256KB)

Note: You are only required to upgrade the two files shown above. The remaining files of, “1Chip, EBoot, IPL and MOB” are loaded by Topcon Positioning Systems and do not require any upgrade at the user level.

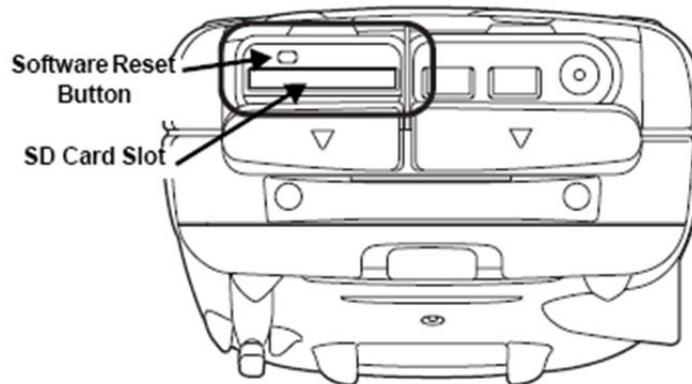
Once you have copied these two files (ROM file extensions) onto an SD memory card, power off the Topcon GRS-1 and insert the SD memory card into the receiver.

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Topcon GRS-1 Operating System Update Process (Physical Update):

With the Topcon GRS-1 receiver connected to an external power supply, turn the receiver on.

The Topcon GRS-1 receiver's "Software Reset Button" is located under the end cap here:



Once powered on, press the keys shown below in the designated sequence and hold them down simultaneously for approximately 10 seconds.



It is normal for the GRS-1 receiver's screen to blank out and power down. Once ten seconds have elapsed, release all keys.

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Topcon GRS-1 Operating System Update Process (Physical Update):

After powering down in the specific button sequence shown above, press the keys shown below in the designated sequence. Press these three down simultaneously until the GRS-1 powers on and displays DIAG START screen (blue background with white letters).

Once the DIAG START screen appears, release all keys:



On follow up screen, select **DIAG** and **Windows Mobile** for update.

You can use the  key to select **DIAG** and **Windows Mobile**.

Highlight the **<DIAG>** option and press the  key.

Once finished with DIAG upgrade, use  to select the **<Windows Mobile>** option and upgrade it as well.

Please note that other files (1Chip, EBoot, MOBM and IPL) remain unchanged with this Operating System update.

After the entire procedure is complete, power off the GRS-1 receiver and then turn it back on.

It is normal to recalibrate the receiver's touch screen after the Operating System update process and check remaining Windows Mobile settings such as date and time, power conservation, etc.