



# Digital UHF Firmware v2.0

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## Release Notes

**May 2013**

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## Supported Products

### *Digital UHF I based systems*

- Classical HiPer (I) series (including HiPer M), HiPer II, GR-3, GR-5 and MC-R3 receivers

### *Digital UHF II based systems*

- HiPer II, HiPer V, GR-3, GR-5 and MC-R3 receivers

## Features and Changes

- ***Digital UHF I based systems***

- Support for 4LFSK modulation to provide 9600 bps link rate on 12.5 KHz channel spacing for PDL protocol
- Support for Satel 3AS protocol to allow compatibility with Satel radios
- Improved support for TrimTalk protocol
- Support for PDL, Satel 3AS and TrimTalk protocols at 20 KHz channel spacing
- Support for call sign
- Additional detail added to clearly indicate the specific radio hardware and radio software (firmware) versions.

*Note – Simplex protocol is no longer supported when you upgrade to FW v2.0 for Digital UHF I radio based receiver.*

- ***Digital UHF II based systems***

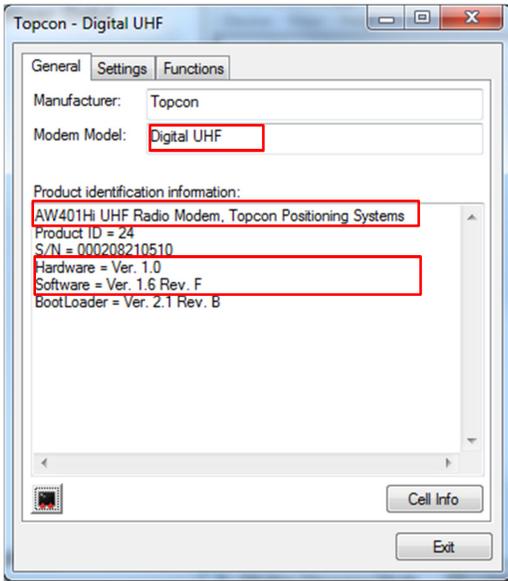
- Improved support for TrimTalk protocol
- Improved call sign support
- Additional detail added to clearly indicate the specific radio hardware and radio software (firmware) versions.

## Important Notes

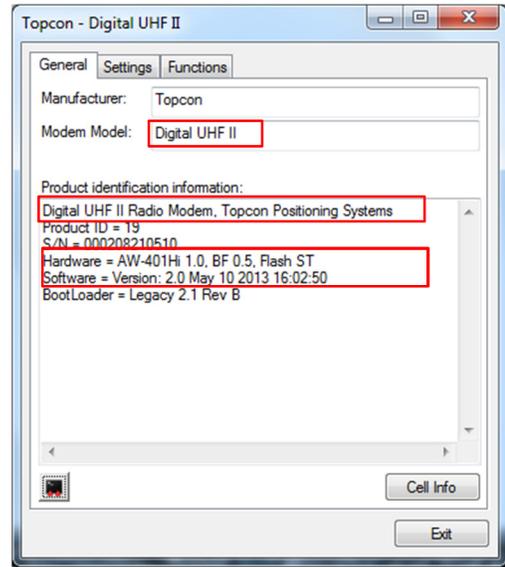
- No workflow changes are required when FW v2.0 is uploaded on receivers with integrated Digital UHF II radios. Users will continue to select “Digital UHF II” for all radio configurations in Topcon application software.
- When FW v2.0 is loaded on **Digital UHF I** radio, the Digital UHF I radio will start behaving as a Digital UHF II. In order to make application software compatible with Digital UHF I radios loaded with FW v2.0, users need to select “Digital UHF II” in the configuration settings of the application.
- FW v2.0 is **NOT** free of charge for all products that contain Digital UHF I radios. Contact your local distributor to find out if the FW v2.0 upgrade is available free of charge for your system.

FW v2.0 is available for free of charge for all products that contain an integrated Digital UHF II radio.

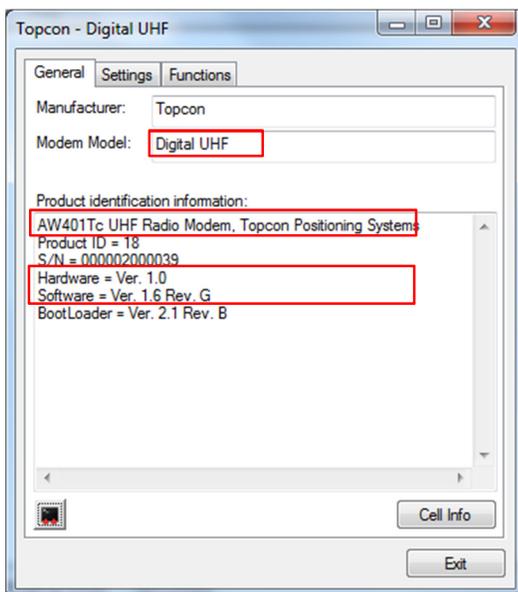
- It is important to know which version of hardware is installed in your system especially when you require help in troubleshooting. Refer to following screenshots from TRU (TRU >> Modem Managing Mode >> Settings >> General) for information on radio hardware and firmware. Pay attention to hardware and software rows in the Product Identification information.



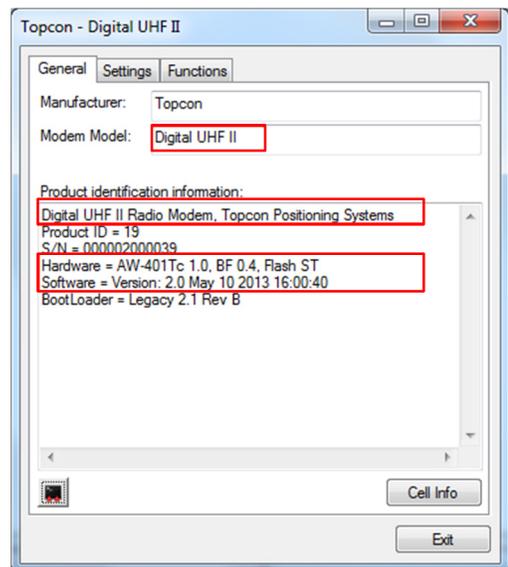
Digital UHF I Radio (HiPer format) with FW 1.6Rev F



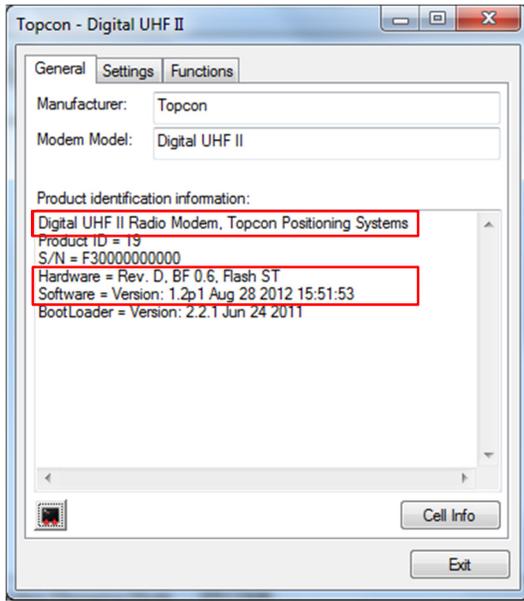
Digital UHF I Radio (HiPer format) with FW 2.0



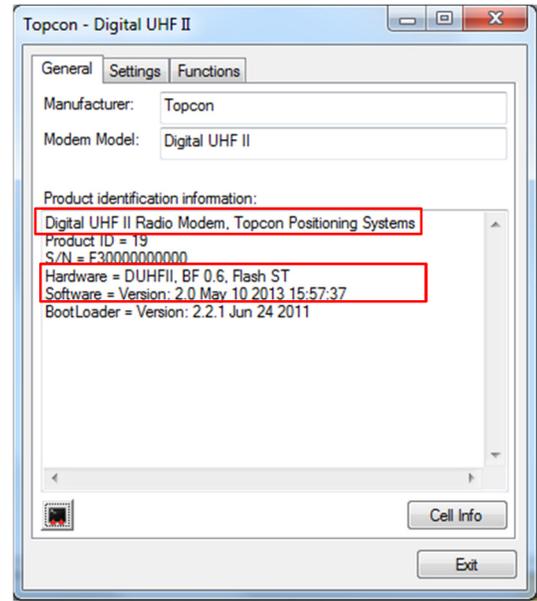
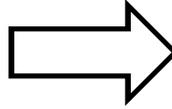
Digital UHF I Radio (GR format) with FW 1.6Rev G



Digital UHF I Radio (GR format) with FW 2.0



Digital UHF II Radio with FW 1.2p1



Digital UHF II Radio with FW 2.0