



## Firmware Release Notes

## Survey

Date: March 5<sup>th</sup>, 2015  
Product: ProFlex 800 and ProFlex 800 CORS  
Subject: ProFlex 800 V2.01 Firmware Release

### Introduction:

This document is the firmware release note of the [ProFlex 800 V2.01](#).

### Upgrade procedure

The procedure to upgrade the receiver is the following:

- 1- Copy the file [p\\_800\\_upgrade\\_V2.01.S842KI27.tar.bz2](#) to an USB memory key.
- 2- Make sure that there are at least 10Mb of free memory after having copied these files
- 3- Switch off the ProFlex 800
- 4- Plug the ProFlex 800 into an external power and make sure that there is also an internal battery
- 5- Connect the USB memory key to the ProFlex 800
- 6- Turn on the ProFlex 800 while keeping pressed the button 'Scroll' (during about 5 seconds)
- 7- Wait for the complete upgrade, which should take about 30 minutes.

Before upgrading the ProFlex 800, it is recommended to stop the recording, the sessions and the embedded NTRIP caster.

### Firmware list and versions

General version number: [V2.01 – S842KI27](#)

SYS: [S240](#)

GNSS: [KI27](#)

RFS: [842](#)

BOOT LOADER: [1.1.5.9](#)

KERNEL: [2.6.19](#)

PMU: [2.31](#)

The minimum radio firmware requirements compatible with the ProFlex 800 V2.01 are:

- Internal Pacific Crest ADL Foundation: 3.04 (2280, 2288 or 2300) and next releases
- External Pacific Crest ADL Vantage: 3.04 (2280, 2288 or 2300) and next releases
- External Pacific Crest ADL Vantage Pro: 3.04 (2280, 2288 or 2300) and next releases
- External Pacific Crest HPB: [2.58](#) or [2.42](#) and next releases
- Internal U-Link: [1.02](#)
- External U-Link: [1.03](#) (HW: AD), [1.04](#) (HW: AE) or [1.09](#) (With Connector)

The minimum software requirements compatible with the ProFlex 800 V2.01 are:

- FAST Survey: [3.1](#)
- GNSS Solutions: [3.80](#)
- RINEX Converter: [4.4](#)
- Conf Radio: [2.3](#)
- Spectra Precision Survey Pro: [5.3](#)
- Spectra Precision Survey Office: [3.00](#)

### New features (compared to ProFlex 800 V1.9)

- **Additional Session Support:** Support 288 sessions of 5 minutes per day
- **NMEA:** NMEA messages can be outputted on port I1-I9 by using the Web
- **NTRIP Caster:** Add NMEA parameter to the MontPoints settings. This parameter indicates to connected rover that NMEA GGA position message is requested by the Embedded NTRIP Caster

### Resolved Problems (compared to ProFlex 800 V1.9)

- Positions of rover are not properly displayed on the monitoring map
- Email notifications from PF800 are empty when using Exchange 010 mail server
- Atanaka conversion fails

### Recommendations

- The Ring File Memory may not work properly with 8 GB internal memory in specific condition. The receiver may lose measurement in sessions when there are many files in the memory. It is recommended to disabled the Ring File Memory feature and to delete manually the files and directories when the memory is almost full