

N6841A / N6854A RF Sensor & Geolocation Server Software

Version 2.2.0

Released Date:	2019-06-01 - (June 01, 2019)
Operating Systems:	Microsoft Windows 10 Microsoft Windows 7
Instrument Drivers and Software Versions	2.2.0 N6854A/N6841A Geolocation and RF Sensor Software (www.keysight.com/find/N6841A-SW or www.keysight.com/find/N6854A-SW)
Firmware Versions	N6841A Firmware (Included with N6841A SMT Software) REL 2.2.0, BUILD 3008, FPGA 12071217 (Single WB Ch) REL 2.2.0, BUILD 3008, FPGA 15080715 (Multi NB Ch)
File Names:	N6841A_2.1.0.exe (Size: 598 Mbytes)

New Features

- FieldFox as a frequency extender to the RF Sensor (Pair and UnPair)

Enhancements

- Improved Edge Detection by adding pulse duration check
- Satellite constellation Selection (GPS, GLONASS, Beidou, Galileo, QZSS)
- GPS Firmware update capability to the Sensor Webpage
- N6850A Antenna to SMS database
- Increased memory size for loading Maps into SMT

Bug Fixes

- Fixed Security vulnerabilities with RF Sensor Firmware

Version 2.1.0

Released Date:	2017-09-05 - (September 05, 2017)
Operating Systems:	Microsoft Windows 10 Microsoft Windows 7
Instrument Drivers and Software Versions	2.1.0 N6841A Sensor Management Software (SMT) (www.keysight.com/find/N6841A-SW or www.keysight.com/find/N6854A-SW)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.1.0 – BUILD 2930 – FPGA 12071217 (Single WB Ch) REL 2.1.0 – BUILD 2930 – FPGA 15080715 (Multi NB Ch)
File Names:	N6841A_2.1.0.exe (Size: 598 Mbytes)

New Features

- Enabled Trial licenses for CFP, EFP, GFP and MFP options.
- Added edge detect code to find the rising edge.
- Added the auto edge detect.

Enhancements

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Bug Fixes

- Fixed December 31, 2016 leap second error
- Fixed GPS survey issue with new Trimble Res SMT 360 GPS module.
- Fixed error with transaction ID's in SMS.
- Fixed skip count error which is used in Surveyor 4D Directed Search, Sweep Ratio.

Version 2.0.6

Released Date:	2016-09-16 - (September 16, 2016)
Operating Systems:	Microsoft Windows 10 Microsoft Windows 7
Instrument Drivers and Software Versions	2.0.6 N6841A Sensor Management Software (SMT)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.0.6 – BUILD 2897 – FPGA 12071217 (Single WB Ch) REL 2.0.6 – BUILD 2897 – FPGA 15080715 (Multi NB Ch)
File Names:	N6841A_2.0.6.exe (Size: 579 Mbytes)

New Features

- Added Embedded application infrastructure
- Support for Windows 10

Enhancements

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Bug Fixes

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Version 2.0.5

Released Date:	2015-10-01 - (October 01, 2015)
Operating Systems:	Microsoft Windows 8 Microsoft Windows 7
Instrument Drivers and Software Versions	2.0.5 N6841A Sensor Management Software (SMT)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.0.5 - BUILD 2853 - FPGA 12071217 (Single WB Ch) REL 2.0.5 - BUILD 2853 - FPGA 15080715 (Multi NB Ch)
File Names:	N6841A_2.0.5.exe (Size: 607 Mbytes)

New Features

- Support of multiple narrowband channels

Enhancements

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Bug Fixes

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Version 2.0.4

Released Date:	2015-02-10 - (February 10, 2015)
Operating Systems:	Microsoft Windows 8 Microsoft Windows 7
Instrument Drivers and Software Versions	2.0.4 N6841A Sensor Management Software (SMT)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.0.4 - BUILD 2652 - FPGA 12071217
File Names:	N6841A_2.0.4.exe (557 Mbytes)

New Features

- Added Zoom in/out and multiple measurement averaging with Sensor Management Tool.
- Added Geolocation database backup/restore/clear
- Added Field Strength API calculation
- New licensing scheme via Keysight Software Manager

Enhancements

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Bug Fixes

Version 2.0.3

Released Date:	2014-04-21 - (April 21, 2014)
Operating Systems:	Microsoft Windows 7
Instrument Drivers and Software Versions	2.0.3 N6841A Sensor Management Software (SMT)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.0.3 – BUILD 2531– FPGA 12071217
File Names:	N6841A_2.0.3.exe (556 Mbytes)

New Features

- Added a driver for a 3rd party frequency extender
- Added new geolocation API functions

Enhancements

- Improved frequency tracking and overall reliability

Bug Fixes

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Version 2.0.2

Released Date:	2013-04-15- (April 15, 2013)
Operating Systems:	Microsoft Windows 7 Microsoft Windows XP
Instrument Drivers and Software Versions	2.0.2 N6841A Sensor Management Software (SMT)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.0.2 – BUILD 2625 – FPGA 12071217
File Names:	N6841A_2.0.2.exe (Size: 530 Mbytes)

New Features

- Overall reliability improvements

Enhancements

- Improved time-stamping accuracy
- Improved phase accuracy
- Improved Geolocation algorithms

Bug Fixes

- Fixed installer errors

Version 2.0.1

Released Date:	2011-01-19 - (January 19, 2011)
Operating Systems:	Microsoft Windows 7 Microsoft Windows XP
Instrument Drivers and Software Versions	2.0.1 N6841A Sensor Management Software (SMT)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.0.4 – BUILD 1607 – FPGA 10110113
File Names:	N6841A_2.0.1.exe (Size: 510 Mbytes)

Initial Release

- Software file available for download www.keysight.com/find/N6841A-SW