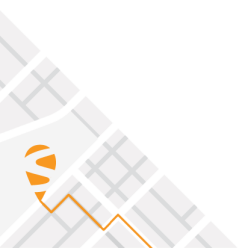




Release Notes and Installation Guide

Altus NR3 Firmware Package v1.4.2



1 Installation Guidelines

In order to upgrade the firmware to version 1.4.2, only the following file is to be installed on the receiver:

SUF file	Located in	Contains
Altus NR3-1.4.2.suf	firmware/	See section 6

There is no need to install the file Altus NR3-1.4.2-failsafe.suf, unless Septentrio Support advises otherwise.

2 New Features and Improvements

2.1 New features in version 1.4.2

None

2.2 Improvements in version 1.4.2

A safety feature was implemented: the NR3 stops operating when the batteries overheat.

2.3 New features in version 1.4.1

None

2.4 Improvements in version 1.4.1

The internal charging logic of the Altus NR3 has been improved to better cope with the Li-ion battery temperature limitations.

3 Known Issues and Limitations

1. When entering NTRIP mount point names for the NTRIP client configuration the user must exactly match the case or the receiver will not find the mount point.

2. If the message "USB device not recognised" is shown on the PC after an upgrade of the receiver firmware, it is recommended to restart the receiver. Afterwards, the USB connection will be functional again.
3. The editing of features (collected items with PinPoint-GIS Web) might not work properly when multiple features overlap in a very close position of the map.
4. The collection form for PinPoint-GIS Web might take a couple of seconds before it appears on the screen (this might vary depending on your internet connection). Please wait until the form is displayed after clicking on the Collect button.
5. It is not possible to upgrade the receiver using mobile Safari on iOS devices.
6. View selection of map services is not supported in PinPoint-GIS Web (they are always visible when loading a User map). However changing the basemap of a loaded user map containing a map service will cause the map service to disappear.
7. PinPoint-GIS Web might indicate that the user map is collectable while this is not the case.
8. Auto-populated GNSS fields in PinPoint-GIS Web will not show the whole accuracy for double values but when saved they will keep the full accuracy. Only when the values are edited, the accuracy might be dropped.
9. The web server on the receiver has been tested with Chrome (version 61), Firefox (version 55) and Internet Explorer (version 11). If you experience any problems with your browser, please use a different client application.
10. When the cell connection is slow, the receiver may fail to load the NTRIP mount point table.
11. The NTRIP server connection is sometimes not reliable when connected to a caster running "Professional Ntrip Broadcaster" (up to v2.0.22).
12. UDP functionality does not work over Cellular interface.
13. Some cellular networks require the configuration of an APN even for 2G connections.
14. The generation rate of GBS and GRS NMEA sentence is limited to 1 Hz.
15. Due to incompatibility with the T-Mobile IPv6 network, outgoing IP connections are not possible. If outgoing IP connections are required, the user can use the AT&T network.

4 Support

For further information or support, please consult the Septentrio support website (<http://www.septentrio.com/support>).

5 Legal Notice

Septentrio does not authorize the use of its products as critical components in devices or systems intended for safety-of-life applications or in devices or systems, of which the failure may endanger life or cause injuries, unless written approval is given.

All the firmware and documentation delivered with the Altus NR3 Firmware Package is licensed, as explained in the About page which is accessible via the web interface of the receiver.

6 System Components and Versions

Product: Altus NR3 Version: 1.4.2 Receiver Platform: SSRC9 Release Date: 31 August 2021	version	Altus NR3-1.4.2-failsafe.suf	Altus NR3-1.4.2.suf
Failsafe	4.1.0-ge17da9a	Y	
Operating System kernel	2.3.5-g171f045		Y
Operating System root filesystem	4.1.0-ge17da9a		Y
Control Firmware	1.3.3-r81487		Y
GNSS Firmware	4.3.6		Y
Antenna Information	2.13.0-47ca5206		Y