

Release Note NRSW 4.3.0.101

Project Name: NRSW

Abstract:

This document represents the release note for NetModule Router Software 4.3.0.101. It informs on new functionality, corrections and known issues of this software version of NetModule's router series in comparison to release 4.3.0.100.

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1 Release Information

NetModule Router Software:

Version: **4.3.0.101**
Date: **July 16, 2019**

Supported Hardware:

NetModule Router	Hardware Version
NB800	V2.0 - V2.2
NB1600	V1.0 - V3.3
NB1601	V1.0 - V1.3
NB1800	V2.4 - V2.6
NB1810	V2.4 - V2.6
NB2700	V1.0 - V2.7
NB2710	V1.0 - V2.7
NB2800	V1.0 - V1.4
NB3700	V2.0 - V4.3
NB3701	V1.0 - V1.4
NB3710	V2.0 - V4.3
NB3711	V1.0 - V1.4
NB3720	V2.0 - V4.3
NB3800	V1.0 - V1.4

Unsupported Hardware:

NetModule Router
NB1300 Series
NB2200 Series
NB2300 Series
NB2500 Series
NB2600 Series



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2 New Features

Case-#	Description
53030	CLI improvements Time stamp of last reset of data counter will be displayed on cli status.
56520	Fix time stamp in NMEA stream Some GNSS chipsets are known to provide an invalid date in November 2019 due to the GPS-rollover issue. Time stamps in NMEA frames will be altered to fix this issue for all chipsets. This functionality can be disable. Please contact our support if you need unmodified data.

3 Fixes

The following issues and problems have been fixed.

Case-#	Description
54319	Allow remote network 0.0.0.0/0 for IPsec IPsec tunnel did not come up when all traffic was route to remote gateway with remote network 0.0.0.0/0. This has been fixed.
55180 57644 57648 57743	GUI improvements Some serial port changes were not applied. Display failure in WLAN IP has been fixed. WLAN scan channels were displayed for access-point and mesh-point mode. This has been fixed.
55303	IP passthrough with u-blox Toby-L2 LTE modules IP passthrough functionality is now available.
56789	NB2710: SIM assignment The SIM assignment could fail in some situations. This has been fixed.
57672 57727	NB1601: Sporadic power supply failure The NB1601 stops operation in rare situations and requires a manual power cycle due to a bug in the power management chipset. This problem has been fixed.
57689	NB3800-4L fails to detect LTE modules In some situations, some LTE modules were not recognized correctly. This has been fixed by optimized start up sequence.
57708	Sporadic reboots with PPC based devices At heavy load on flash NB1600, NB2700 and NB3700 showed sporadic reboots. The failure in the kernel driver has been fixed.

4 ECC conversion

The flash on NB1600, NB2700, NB2710, NB3700, NB3710 and NB3720 provides an automated error correction using ECC. With release 4.1.0.100 we changed the ECC length from 1-bit ECC to 4-bit ECC which provides better error correction. On first boot after the update was performed the data on the flash is automatically converted to use the new ECC setup. While this conversion is performed the LEDs show a running light for about 30 seconds.

If you switch back to an older software release like 4.0.0 the migration is reverted.

We tested updates and down-grades to and from 4.0.0 and 3.8.0. Updates to or from older versions are not supported. If you run an older release or want to downgrade to an older release or a feature release like 3.8.2 you are advised to migrate via 4.0.0 as an intermediate release.

To revert the migration on downgrade the SPL boot loader release 4.1.0 stays in place. It can be downgraded in a second software update process initiated from the target release after the first reboot.

Software updates with recovery images require special attention. You must not use recovery images 4.0.0 and older for systems running 4.1.0 and newer. If you want to use recovery images please contact our support at router@support.netmodule.com.

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6 Change History

Version	Date	Name	Reason
1.0	July 5, 2019	Patrick Walther	Final

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