

Release Note NRSW 4.3.0.102

Project Name: NRSW

Abstract:

This document represents the release note for NetModule Router Software 4.3.0.102. It informs on new functionality, corrections and known issues of this software version of NetModule's router series in comparison to release 4.3.0.101.

Keywords:

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1 Release Information

NetModule Router Software:

Version: **4.3.0.102**
Date: **September 18, 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 Fixes

The following issues and problems have been fixed.

Case-#	Description
56065	Extended firewall rule not working with u-blox Toby-L2 The system failed to detect when the WWAN module was connected and therefore did not enable extended firewall rules on that device if these were marked as "discard if down".
57288	Toby-L2 long dialing The dialing and connection process of a Toby-L2 module was taking too long or failed. This has been fixed.
57774	Toby-L2 registration status The registration status was not based on configured preferred service. This could lead to a sudden detach of the network. This has been fixed.
57917	IPsec improvements The NB1601 and NB800 were facing low IPsec performance over LTE. This has been improved.
57980	Ignition Sense missing The ignition sense feature was missing after an update to version 4.3.0. This has been fixed.
58089	WLAN configuration improvements WLAN was not working if a user configuration with 2 configured WLAN modules was applied to a devices with only one WLAN module. This has been fixed
58215	Serial device server After setting up a serial device server, the router did not start anymore. This has been fixed.
58255	GNSS improvements The ZOE-M8 module was not responsive anymore after some time. This has been fixed.

3 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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5 Change History

Version	Date	Name	Reason
1.0	September 18, 2019	Patrick Walther	Final

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