

Release Note NRSW 4.3.0.110

Project Name: NRSW

Abstract:

This document represents the release note for NetModule Router Software 4.3.0.110. It informs on new functionality, corrections and known issues of this software version of NetModule's router series.

Keywords:

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Approval	Role	Name
	Director Product Development	Benjamin Amsler

1 Release Information

NetModule Router Software:

Version: **4.3.0.110**
Date: **Apr 28, 2021**

Supported Hardware:

NetModule Router	Hardware Version
NB800	V2.0 - V2.2
NB1600	V1.0 - V3.3
NB1601	V1.0 - V1.5
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 - V4.4
NB3701	V1.0 - V1.5
NB3710	V2.0 - V4.3
NB3711	V1.0 - V1.5
NB3720	V2.0 - V4.3
NB3800	V1.0 - V1.5

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
71025	Techsupport generation hangs Due to a merge failure generation of techsupport files fails on NRSW release 4.3.0.109. It is recommended to update to 4.3.0.110 if you face any problems and need help from our support team.

3 Pitfalls

Items listed as pitfalls are potential problems that may arise because of specific environmental conditions.

Case-#	Description
71447	Potential loss of LTE connection Devices with Toby-L2 LTE modules may occasionally loose LTE connection. This is persistent until the Router or the LTE connection is restarted for example by the Link Supervision. It is recommended to properly configure Link Supervision if the device is supposed to work autonomously or if the WAN link is the only maintenance connection in the field application.

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
1.1	Apr 28, 2021	Moritz Rosenthal	Additional information on case 71447
1.0	Mar 29, 2021	Moritz Rosenthal	Release note

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