

# Release Note NRSW 4.4.0.113

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**Project Name:** NRSW

## Abstract:

This document represents the release note for NetModule Router Software 4.4.0.113. It informs on new functionality, corrections and known issues of this software version of NetModule's router series.

## Keywords:

NetModule, Software Development, NRSW, Release Note

## Document Control:

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<b>Approval</b>	<b>Role</b>	<b>Name</b>
	Director Product Development	Benjamin Amsler

## 1 Release Information

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### NetModule Router Software:

Version: **4.4.0.113**  
Date: **Sep 15, 2021**

### Supported Hardware:

<b>NetModule Router</b>	<b>Hardware Version</b>
NB800	V2.0 - V2.2, V3.2 (Rev. B02)
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
NB2810	V1.2
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 New Features

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Case-#	Description
66382	<b>Maximum number of static routes increased</b> It is now possible to configure up to 50 static routes.

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### 3 Security Fixes

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The following security relevant issues have been fixed.

Case-#	Description
74474	<b>CVE-2021-3712 OpenSSL Read buffer overrun</b> The relevant bug-fixes for this issue were back-ported.

## 4 Fixes

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The following issues and problems have been fixed.

Case-#	Description
<b>63343</b>	<b>GUI improvements</b>
<b>70525</b>	The web configuration interface could hang if more than one CAN interface was configured for LXC.
<b>73036</b>	This was fixed.
<b>73328</b>	It was not possible to configure additional VRRP redundancy servers via web interface. This was fixed.
<b>73825</b>	Position of Edit and Delete button switched in IPSec tunnel configuration interface to match the normal work-flow.
<b>73864</b>	The SNMP MIB file download from the configuration web interface was fixed. If a SIM card was removed the web interface status showed "unassigned" instead of "missing". This was fixed. Spurious interfaces VOICE were removed from list modules for firmware update.
<b>66342</b>	<b>Put final END firewall rule after user defined rules</b> The logical rule END which is added automatically is now inserted after all other rules.
<b>72838</b>	<b>SDK improvements</b> Change of allowed LTE provider PLMN via SDK was fixed for Toby-L2 LTE modules.

## 5 ECC conversion

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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](mailto:router@support.netmodule.com).

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## 7 Change History

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Version	Date	Name	Reason
1.0	Sep 15, 2021	Moritz Rosenthal	Final release note

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