

Release Note NRSW 4.2.0.103

Project Name: NRSW

Abstract:

This document represents the release note for NetModule Router Software 4.2.0.103. It informs on new functionality, corrections and known issues of this software version of NetModule's router series in comparison to release 4.2.0.102.

Keywords:

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	Author	Moritz Rosenthal
	Review	Benjamin Amsler
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	Director Product Development	Michael Enz

1 Release Information

NetModule Router Software:

Version: **4.2.0.103**
Date: **February 12, 2019**

Supported Hardware:

NetModule Router	Hardware Version
NB800	V2.0 - V2.2
NB1600	V1.0 - V3.3
NB1601	V1.0 - V1.3
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
NB1800 Series
NB2200 Series
NB2300 Series
NB2500 Series
NB2600 Series



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2 New Features

Case-#	Description
49689	Support for additional IPsec parameters in expert mode configuration Expert mode files now supports additional parameter rightsigkey and allows upload of certificates and keys which are encrypted with a pass phrase in expert mode configuration files.

3 Fixes

The following issues and problems have been fixed.

Case-#	Description
53553	NB3800 reports DIO in web interface In release 4.2.0.102 the NB3800 showed DIO interfaces on the web interface which were not available in hardware. This was a display error and is fixed.
55066	Roaming can fail with more than one SIM card on the same LTE module We have seen roaming fail for a customer with two SIM cards with private APN on one module. This was due to the fact that the LTE network attach will take quite long in such situations. Therefore we increased the default timeout in setups where roaming is enabled and allowed this parameter to be configurable.
55415	Optimized start sequence for WWAN modules In rare situations the system start might fail due to high current consumption of WWAN on upstart. This was fixed by optimized start-up sequence.

4 Known Issues

Items listed here represent minor problems known at release time. These issues will be resolved in a later version.

Case-#	Description
54815	<p>WLAN Mesh Point bridging</p> <p>The Link Management configuration web site on NB800 and NB1601 does not display the "Bridge interface" option if a WLAN Mesh Point is configured.</p> <p>This will be fixed with next release. At the moment setup can be done via CLI or configuration file.</p>

5 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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7 Change History

Version	Date	Name	Reason
1.0	2019-02-12	rosenthal	Final

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NetModule AG is located at:

Maulbeerstrasse 10
 CH-3011 Bern
 Switzerland
info@netmodule.com
 Tel +41 31 985 25 10
 Fax +41 31 985 25 11

For more information about NetModule AG visit the NetModule website at www.netmodule.com.