

Release Note NRSW 4.4.0.111

Project Name: NRSW

Abstract:

This document represents the release note for NetModule Router Software 4.4.0.111. It informs on new functionality, corrections and known issues of this software version of NetModule's router series.

Keywords:

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	Author	Moritz Rosenthal
	Review	Benjamin Amsler
Approval	Role	Name
	Director Product Development	Benjamin Amsler

1 Release Information

NetModule Router Software:

Version: **4.4.0.111**
Date: **Jul 04, 2021**

Supported Hardware:

NetModule Router	Hardware Version
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

Case-#	Description
72970	IPSec improvements It is now possible to disable Source-NAT rules for IPSec.
73449	GUI improvements It is possible now to download and upload encrypted configuration files.

3 Security Fixes

The following security relevant issues have been fixed.

Case-#	Description
73204	Remove session cookie on login and logout Existing session cookies of the web interface are now deleted on login and logout. This reduces the potential risk of HTTP response splitting attacks or compromised web clients.

4 Fixes

The following issues and problems have been fixed.

Case-#	Description
71316	LTE connection issues In some situations the Toby-L2 LTE modules disconnect and it takes several minutes until they re-connect. We detect these situations now and speed up the reconnect time by sending a soft-reset command to the module. This reduces the reconnect-time substantially. It is also recommended to update the module firmware to version 17.00 as we experienced less connection drops with this firmware.
72689	GNSS TCP server NMEA streaming error TCP clients which were not able to process all the NMEA data they received from the server could disrupt the stream for other clients and lead to error messages on the router. This was fixed.
72751	GUI improvements The selection 3G/4G-only was added for devices with Toby-L2 LTE modules.

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	Jul 04, 2021	Moritz Rosenthal	Final release note

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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.