

Release Note NRSW 3.8.0.114

Project Name: NRSW

Abstract:

This document represents the release note for NetModule Router Software 3.8.0.114. It informs on new functionality, corrections and known issues of this software version of NetModule's router series in comparison to the current old-stable release 3.8.0.113.

This release is the last planned release of the 3.8.0 cycle. We recommend to update existing projects to 4.1.0.

Keywords:

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1 Release Information

NetModule Router Software:

Version: **3.8.0.114**
Date: **November 19, 2018**

Supported Hardware:

NetModule Router	Hardware Version
NB1600	V1.0 - V3.3
NB2700	V1.0 - V2.7
NB2710	V1.0 - V2.7
NB3700	V2.0 - V4.3
NB3701	V1.0 - V1.4
NB3710	V2.0 - V4.3
NB3720	V2.0 - V4.3

Unsupported Hardware:

NetModule Router
NB800 Series
NB1300 Series
NB1601 Series
NB1800 Series
NB2200 Series
NB2300 Series
NB2500 Series
NB2600 Series
NB2800 Series
NB3711 Series
NB3800 Series



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2 New Features

Case-#	Description
49268	Support for new GNSS modules Added support for new Ublox NEO-M8 modules.
49269	uBlox TOBY-L2 support The uBlox Toby-L2 LTE modem is now supported.
53880	Conversion of configuration version 1.12 Configuration files of version 1.12 can be imported or converted on down grade from newest SW release.

3 Security Fixes

The following security relevant issues have been fixed.

Case-#	Description
53513	Security bug fixes on 3rd party SW packages CVE-2015-3200: Use-after-free fixed in Linux kernel

4 Fixes

The following issues and problems have been fixed.

Case-#	Description
41149	Roaming failed with Huawei ME909u-521 Devices equipped with Huawei ME909u-521 LTE modules sometimes failed to connect in roaming environment.
51475	uBlox TOBY-L2 improvements Clients connected to the LAN side of the router could not communicate to the WAN network, because IP forwarding was disabled. That has been fixed.
52309	User names starting with 'admin' or 'root' not able to login Additional users starting with 'admin' or 'root' like 'admin-user' were not able to login after change of administrator password.
53587	Certificate key handling Changing the certificate key of the system could fail and leave the system without usable certificate keys. This was fixed.
53608	Empty user password affected other users If the setting 'user.0.password' contained an empty string all other users were not able to log in any more. This is not a valid configuration anyway, but it was not intended behavior either and therefor was fixed.

5 ECC conversion

The flash on NB1600, NB2700, NB2710, NB3700, NB3710 and NB3720 provides an automated error correction using ECC. 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	2018-11-19	rosenthal	Final

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