

Release Note NRSW 3.8.0.101

Project Name: NRSW 3.8

Abstract:

This document represents the release note for NetModule Router Software 3.8.0.101. It informs on new functionality, corrections and known issues of the current software version of NetModule's router series.

Keywords:

NetModule, Software Development, NRSW, Release Note

Document Control:

Document:	Version	1.0
	File	NRSW-RN-3.8.0.101
	Status	Valid
Creation:	Role	Name
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Approval	Role	Name
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1 Release Information

NetModule Router Software:

Version: **3.8.0.101**
Date: **June 22, 2015**

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
NB3710	V2.0 - V4.3
NB3720	V2.0 - V4.3

Unsupported Hardware:

NetModule Router
NB1310
NB22XX
NB23XX
NB25XX
NB26XX

2 New Features

Case-#	Description
38257 37015	New SMS Features It is now possible to send messages with up to 1024 characters. According to 3GPP TS 23.040, they will be split into multiple chunks with 160 characters each and will be concatenated upon reception. Depending on your modem, you can also request now a delivery report for a sent message.
38511	PCRE for SDK Scripts It is now possible to use PCRE (Perl Compatible Regular Expressions) in SDK scripts. Please refer to the language manual for getting more information about how to use them.
38503	Certificate Verification Uploaded or generated keys/certificates will now be verified and the GUI will moan about any certificate errors (e.g. if not yet valid).
38529	OpenVPN Expert Mode File Export Users are now able to download an OpenVPN expert mode file from a previous standard configuration.
38565	Reset Statistics It is now possible to reset the WAN link statistics (data downloaded/uploaded) with CLI and SDK scripts.

3 Fixes

The following issues and problems have been fixed.

Case-#	Description
35323 38019	WLAN Fixes In very rare cases the WLE200NX raised a machine check exception during PCI transfers. That may have happened in situations where a chip reset was asynchronous to the clock of analog shift registers which caused a surprise removal of AR9280 based chips and a subsequent kernel panic. This has been fixed. We also removed an unnecessary warning in the aggregation code and cleaned up the block ack window tracking to use less memory.
38826	DynDNS Update Failed DynDNS updates didn't work. This has been fixed. Support for DynDNS provider duckdns.org has been added.
39060 38994	No Connection With Cellient MPN200 No WWAN connection were possible with MPN200. This has been fixed.
38462	Enhanced Sound Volume for Voice Calls It appeared that GSM voice calls were suffering a poor sound volume, in particular if they were running over a Huawei MU609. We have adjusted the corresponding filters and also pumped up the volume by means of software.
38518 38267 36901 38554	GPS Issues Systems with a Sierra MC7710 modem were unable to ramp up GPS. In some particular cases it also happened that the GPS daemon did not come back properly if it was restarted. This has been fixed.
38257	Memory Leak Under some circumstances, the wwanmd was suffering a memory leak. this has been fixed.
38257 38248	SDK Transfers The SDK function <code>nb_transfer_get</code> delivered a wrong return code in case the transfer failed or the file size was zero.
38220	No Failover With Multiple WWAN Connections In case of multiple WWAN connections sharing the same SIM and modem, it may have happened that failover to the next WAN link didn't work reliably. This has been fixed.
38988 38530 38599 38614	GUI Fixes The hostname will now be shown in the title of the browser window and the timer of SDK test scripts is more accurate now. The phrase for to be uploaded certificates will be shown now in plaintext. We also fixed an issue where the index page didn't redirect correctly when running the web server with different HTTP/HTTPS ports and we further applied minor and cosmetics fixes to some pages.

4 Known Issues

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

Case-#	Description
37225	USSD on Huawei EM770/EM820 It is currently not possible to issue USSD queries on Huawei EM770/EM820.
32507	No VRRP on Bridged Interfaces Running VRRP over bridged interfaces is currently not possible.
36992	No SMS Delivery Reports SMS delivery reports are currently not possible with Option GTM661/GTM671, Huawei EM820 and Sierra MC7710.

5 Pitfalls

Items listed as pitfalls are potential problems that may arise because of specific environmental conditions. There are currently no fixes planned for these issues.

Case-#	Description
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7 Change History

Version	Date	Name	Reason
1.0	2015-06-22	hess	Release

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