



# Release Notes - NRSW 4.8.0.104

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**Project Name:** NRSW

## Abstract:

This document represents the release note for NetModule Router Software 4.8.0.104. It informs on new functionality, corrections and known issues of this software version of NetModule's router series.

## Keywords:

Netmodule AG, Software Development, NRSW, Release Notes

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## 1 Release Information

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### NetModule Router Software:

Version: **4.8.0.104**  
Date: **Feb 06, 2025**

### Supported Hardware:

NetModule Router	Hardware Version
NB800	V2.0 - V2.2, V3.2 (Rev.B02 - B03)
NG800	V3.0 - V3.2
NB1601	V1.0 - V1.7
NB1800	V2.4 - V2.6
NB1810	V2.4 - V2.6
NB2800	V1.0 - V1.4
NB2810	V1.2
NB3701	V1.0 - V1.10
NB3800	V1.0 - V1.10

### Unsupported Hardware:

**NetModule Router**  
NB1300 Series  
NB1600 Series  
NB2200 Series  
NB2300 Series  
NB2500 Series  
NB2600 Series  
NB2700 Series  
NB3700 Series  
NB3711

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## 2 Security Fixes

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The following security relevant issues have been fixed.

Case-#	Description
577010	<b>RADIUS fixes</b> CVE-2024-3596: The RADIUS protocol had a vulnerability that potentially made it susceptible to forgery attacks, which could modify the Access-Accept or Access-Reject RADIUS response, this is fixed.

### 3 Fixes

The following issues and problems have been fixed.

Case-#	Description
401463	<b>Event handling</b> wanlink down and up events have been extended to include whether the link in question was a hotlink.
457860	<b>LXC fixes</b> LXC DNS setting would remain if the container was deleted. This is fixed.
516302 566371	<b>SDK fixes</b> A segmentation fault found in <code>json_encode</code> is now fixed. SDK Scripts using <code>nb_transfer_put</code> could result in an error. This is fixed.
516306 516702 559982 567523 568830	<b>WLAN fixes</b> The AC Access Controller now supports whitespace within the SSID. WLAN outdoor setting now correctly includes DFS channels in automatic channel selection. Fast Transition is now working properly for WPA3 configurations in AP mode and PreAuth for WPA2. Configuring multiple alias IPs on a WLAN client device could result in unsolicited netmask changes during operation. This is fixed. Specific WLAN configurations could result in a wrongfully terminating daemon and lead to a reboot loop. This is fixed.
529381	<b>OpenVPN fixes</b> Special characters are now allowed in P12 passwords.
529398 590128	<b>IPSEC fixes</b> In some scenarios charon daemon for IKEv2 could hang indefinitely. This is fixed. IPSEC configurations containing FQDN remote peer addresses could not be started, when the firewall policy was configured to drop DNS traffic. This is fixed.
531063 549695	<b>Web-UI fixes</b> On some WAN link settings the spinner could be displayed indefinitely and refreshing the page would result in duplicate configuration entries. This is fixed. In some cases after setup LAN as WAN the spinner overlay was displayed for a long time. This is fixed.
531890	<b>Wired 802.1X fixes</b> On specific hardware variants the service could not be started. This is fixed.
542827	<b>SDK fixes (SNMP)</b> SNMP - A resource leak within the <code>sdkhost</code> is now fixed.
549020	<b>Recovery improvements</b> In the recovery image for TimeServer the web interface was not available. This is fixed.
553114	<b>Network fixes</b> Changing the DNS setting in specific situations during a DHCP renew resulted in the device setting the link state down. This is fixed.
554513	<b>VoIP fixes</b> Ongoing VoIP got canceled on an incoming second call, this is fixed.
556837	<b>Dynamic DNS fixes</b> In some cases the update script for dynamic DNS services could be running multiple times at one. This is fixed.
563433 571476 574217	<b>Modem fixes</b> A bug causing a modem to hang, until a timeout while waiting for an AT command. This is fixed. On hardware variants(NB18x0, NB28x0, NB3800) with Telit modems some characters in provider APNs would lead to an error and no connection could be established. This is fixed. On certain hardware versions equipping three WWAN modems could lead to reboot issues. this is fixed.

Case-#	Description
<b>568811</b>	<b>BGP fixes</b> In some cases, BGP packets were not properly routed via WWAN interfaces if updating an existing configuration from an older NRSW version. This is fixed.
<b>580372</b> <b>584117</b>	<b>Firewall fixes</b> NAPT rules containing a destination IP were not applied correctly, this was fixed. There has been an issue, where firewall rules would have been created, even if the automatic firewall setup was declined when setting up a WAN connection. This is fixed.
<b>584104</b>	<b>802.1X fixes</b> Wired 802.1X would not work if the devices was used as a WLAN client at the same time. This is fixed.

## 4 Known Issues

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

Case-#	Description
578728	<b>WAN-MTU</b> If the cellular network does not provide MTU information, ublox LARA-L6 modems use 1428 Byte as a default. This may lead to issues if an MTU of 1500 is expected.

## 5 Discontinued Features

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The following Features were discontinued.

Case-#	Description
553311	<b>Modem fixes</b> u-Blox TOBY modem auto reset feature removed This functionality mitigated a TOBY firmware issue in older modem firmware versions. The issue is fixed in firmware version 17.00,A01.03. You must not use this, or any newer NRSW release with TOBY modem firmware 17.00,A01.02 or older. Generally we strongly recommend to update th modem firmware to 17.00,A01.03 as soon as possible.

## **6 OSS Notice**

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See User Manual Chapter OSS.



## 7 Change History

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Version	Date	Name	Reason
1.0	Feb 06, 2025	Felix Kopf	Final version

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