

# Release Note NRSW 4.6.0.106

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**Project Name:** NRSW

## Abstract:

This document represents the release note for NetModule Router Software 4.6.0.106. It informs on new functionality, corrections and known issues of this software version of NetModule's router series.

## Keywords:

NetModule, Software Development, NRSW, Release Note

## Document Control:

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<b>Approval</b>	<b>Role</b>	<b>Name</b>
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## 1 Release Information

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### NetModule Router Software:

Version: **4.6.0.106**  
Date: **Jul 31, 2023**

### Supported Hardware:

NetModule Router	Hardware Version
NB800	V2.0 - V2.2, V3.2 (Rev. B02)
NG800	V3.0 - V3.1
NB1600 (*)	V1.0 - V3.3
NB1601	V1.0 - V1.6
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 - V1.10
NB3710 (*)	V2.0 - V4.3
NB3711 (*)	V1.0 - V1.5
NB3720 (*)	V2.0 - V4.3
NB3800	V1.0 - V1.10

(\*) Please note that release 4.6 will be the last LTS version of NRSW for this routers. If you still use this hardware please get in touch with our sales team. Release 4.6 will be supported until end of 2024.

### Unsupported Hardware:

**NetModule Router**  
NB1300 Series  
NB2200 Series  
NB2300 Series  
NB2500 Series  
NB2600 Series

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## 2 New Features

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Case-#	Description
65258	<b>IPSec</b> A configurable dead peer detection for IKEv2 based tunnels has been added.
78238	<b>Firewall features</b> Unencrypted outgoing traffic is now actively rejected during IPSec tunnel downtimes.

### 3 Security Fixes

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The following security relevant issues have been fixed.

Case-#	Description
<b>79309</b>	<b>Web interface improvements</b> Autocomplete attributes were added to password field to inform the browser, whether passwords should be stored.
<b>83009</b>	<b>Security fix for Let's Encrypt</b> Let's Encrypt had a remote code execution issue in the acme.sh script. This is fixed.
<b>83033</b>	<b>Security fixes</b> A vulnerability in the web interface that allowed authenticated users to execute code remotely was fixed.

## 4 Fixes

The following issues and problems have been fixed.

Case-#	Description
49356	<b>SDK fixes</b> The Arena SDK function json_encode now behaves according to the JSON standard.
73892 77702 81124 81483	<b>Web interface improvements</b> On certain pages, the footer elements were displayed incorrectly, this issue was fixed. The scan for available wireless networks now provides more detailed information. The system log display is no longer jumping to the first line each time a new message arrives. The upload of QR code images for eSIM profiles has been fixed.
75482	<b>Network fixes</b> Switching link prioritization was deficient since 4.4.0.104. This is fixed
77188	<b>DHCP improvements</b> DHCP can now be configured for BR interfaces.
79734	<b>WWAN connections</b> The network registration process of modems from the Ublox TOBY-L2 series has been improved.
80543	<b>LLDP</b> The LLDP daemon (lldpd) was only started on every second attempt when changing protocols for a currently active lldpd. This issue has been fixed.
81438	<b>Improved handling of virtual wlan interfaces</b> Virtual interfaces can now be enabled and disabled, keeping their configuration.
81573	<b>GUI</b> While changing the LAN IP address range the DHCP server range notification pop-up was missing.
81669	<b>Configuration upload</b> The upload of larger configurations could result in the router running in a timeout and as a consequence ending up in an error state. This issue has been fixed.
82083	<b>Modem fixes</b> TOBY-L2 modems were not reset properly, this issue has been fixed.
82112	<b>ITxPT</b> The ITxPT MQTT service was not announced in mDNS, because of a missing symlink.
82156	<b>Web interface</b> When configuring a new IP address for the interface that is currently used for reaching the web interface, the browser will be redirected to the newly configured address.
82255	<b>Serial Console</b> A misconfiguration of the serial console caused output on the serial port when it was disabled, this has been fixed.
82376 82408	<b>IPsec improvements</b> Shared networks were not routed correctly when trying to access them directly from the tunnel endpoint and thus were not reachable. This issue has been fixed. In IPsec tunnel configurations using "0.0.0.0" or an empty field for a local ID or peer ID of type "IP Address", the tunnel was not established. This issue has been fixed.
82444	<b>WLAN Roaming</b> When roaming as a client between multiple access points, sometimes the link was taken down during the change from one access point to another. This issue has been fixed.
82755	<b>L2TPv3</b> In previous versions, a bug in the L2TPv3 implementation prevented tunnels with udp encapsulation to come up. This issue has been fixed.

Case-#	Description
82897	<b>OpenVPN</b> In certain edge conditions, the modification of OpenVPN tunnel settings could hang for a long time and all successive OpenVPN modifications would hang aswell, until the device was rebooted. This issue has been fixed.
82912	<b>Webserver configuration</b> Fixed a redirect issue when upgrading to a secure connection. There was no direct security implication.
83032	<b>Firewall/IPsec</b> Access to local services on the router itself is no longer disabled for setups with an active IPsec connection configured to use IPsec networks with NAT.

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## 6 Change History

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Version	Date	Name	Reason
1.0	Jul 31, 2023	Felix Kopf	Final version

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