

# Release Note NBSW 3.5.0.111

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**Project Name: NRSW 3.5**

## Abstract:

This document represents the release note for NetModule Router Software 3.5.0.111. It informs on new functionality, corrections and known issues of the current software version of NetModule's router series.

## Keywords:

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	Author	Benjamin Amsler
	Review	Stefan Schlosser
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	Technical CEO	Thomas Siegrist

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## Release Information

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### NetModule Router Software:

Version: **3.5.0.111**  
Date: **March 15th, 2016**

### Supported Hardware:

#### NetModule Router

NB2210  
NB2240  
NB2241  
NB2340  
NB2341  
NB2500  
NB2500R  
NB2600  
NB2600R

### Unsupported Hardware:

#### NetModule Router

NB2541  
NB2500  
NB1310

#### Hardware Version

with WLAN option and serial number slower than hex00112b001050

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## New Features

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Case-#	Description
41816	<b>OpenSSL Upgrade</b> OpenSSL has been upgraded to 0.9.8zh. SSLv2 is now disabled.

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## Fixes

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The following issues and problems have been fixed.

Case-#	Description
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## Known Issues

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

Case-#	Description
<b>14367</b>	<b>Ping (ICMP) Over OpenVPN Not Instantly Working After Startup</b>
<b>13331</b>	<p>Packets addressed to a VPN peer are not routed or not masqueraded correctly if the session has been started before the tunnel is available. This happens due to connection tracking mechanisms in NAT which are applied as long as packets are sent, plus a timeout of 30 seconds.</p> <p>To work around this problem, try to avoid sending ICMP packets to VPN peers before the OpenVPN connection has been established. If packets have been already sent, you would need to restart the NetModule Router or try again after waiting 30 seconds. Applications using TCP are not affected because they will detect the connection loss and reestablish sessions automatically.</p>
<b>11630</b>	
<b>17911</b>	
<b>17457</b>	<p><b>Mails Over VPN Tunnels Are Lost</b></p> <p>Event notification messages which have been generated immediately after a NetModule Router restart and should be sent over a VPN tunnel may be lost because those messages are sent before the VPN tunnel is established.</p>
<b>17877</b>	<p><b>Web Server Becomes Slow</b></p> <p>After 100 or more page requests the web server may become slow. A normal operation can be achieved by restarting the system.</p>

## 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
11071	<p><b>Dial-on-demand Limitation</b></p> <p>The first IP request is very likely to fail because it runs into a timeout before the mobile connection has been established.</p> <p>To solve this problem you may run a ping before actually sending the data as soon as the connection is up.</p> <p>Accordingly, DNS requests may not be answered from the NetModule Router DNS proxy server until the mobile connection is established.</p> <p>TCP connections which perform a retransmit are not affected.</p>
12344	<p><b>Empty User Name Is Replaced By Hostname "netbox"</b></p> <p>In case the user name has not been specified (left empty) in a dial-out profile for a PPP connection, the user name "netbox" (which is the hostname of the NetModule Router) will be used to authenticate against the PPP server.</p>
13287	<p><b>SMS Messages Are Received With A Delay Or Not At All</b></p> <p>In GSM networks which are operating in Network Operation Mode 2 (NOM2) the same paging channel (PCH) is used to monitor circuit-switched and packet-switched services. In consequence, SMS messages cannot be received when a GPRS connection is active.</p> <p>If an SMS message is not immediately delivered to router, the delivery will likely be delayed because the SMS server will decrease the intervals for delivery retries.</p> <p>Ask your provider for the supported Network Operation Modes. Nearly all Swiss providers support NOM2 networks.</p>
13330	<p><b>IPsec Dead-Peer-Detection: Key Lifetimes</b></p> <p>Dead-Peer-Detection only works in intervals in case of different IKE lifetimes of two IPsec peers. Dead-Peer-Detection stops working when the shorter lifetime expires and starts working again when the longer lifetime triggers the exchange of new keys. We therefore recommend setting the key lifetimes of the router and its peer to the same values.</p>
14290	<p><b>Dial-in Is Not Working With 3G (UMTS)</b></p> <p>If an UMTS-enabled NetModule Router is registered to an UMTS network it doesn't support CSD dial-in, but if the router is registered to a GSM/EDGE network CSD dial-in is working.</p> <p>If you want to dial-in to an UMTS-enabled router, set the service type of the NetModule Router to GSM only.</p>
16150	<p><b>Manual Connection Not Feasible For Running A Remote Update</b></p> <p>The remote update procedure involves multiple restarts. Since a manual connection (in contrast to permanent) is not reestablished after a restart, it is not suggested to use this connection type for a remote update</p>
17909	<p><b>Mismatch between Local Host Access Control and Port Forwarding</b></p> <p>In case of:</p> <ul style="list-style-type: none"> <li>• Local host access control is set to 'deny all'</li> <li>• A port forwarding rule of external port Y to local host port X is active</li> <li>• A port forwarding rule of external port X to LAN host port X is active</li> </ul> <p>Access to the local host on port Y is granted by mistake even if local host access control is configured to deny all. Those rules conflict by design and will therefore not be fixed.</p>

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## Change History

Changes:	Version	Date	Name	Reason
	1.0	22.03.2016	amsler	Release

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NetModule AG is located at

Meriedweg 11  
 CH-3172 Niederwangen  
 Switzerland

[info@netmodule.com](mailto: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](http://www.netmodule.com)