Release Note NRSW 4.3.0.112

Project Name: NRSW

Abstract:

This document represents the release note for NetModule Router Software 4.3.0.112. It informs on new functionality, corrections and known issues of this software version of NetModule's router series.

Keywords:

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Creation:	Role	Name
	Author	Patrick Walther
	Review	Benjamin Amsler

Approval	Role	Name
	Director Product Development	Benjamin Amsler

1 Release Information

NetModule Router Software:

Version:	**4.3.0.112**
Date:	**May 26, 2021**

Supported Hardware:

NetModule Router	Hardware Version
NB800	V2.0 - V2.2
NB1600	V1.0 - V3.3
NB1601	V1.0 - V1.5
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
NB3700	V2.0 - V4.4
NB3701	V1.0 - V1.5
NB3710	V2.0 - V4.3
NB3711	V1.0 - V1.5
NB3720	V2.0 - V4.3
NB3800	V1.0 - V1.5

Unsupported Hardware:

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

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2 Security Fixes

The following security relevant issues have been fixed.

Case-#	Description
72727	**WLAN Fragattack** Several security issues called Fragattack within the 802.11 implementation have been fixed.

3 Known Issues

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

Case-#	Description
72769	**WLAN Fragattack** NB800, NB1601, NG800, NG830: the updated firmware for TI-based chipsets does not support mesh scenarios. To support existing setups, mesh-based configurations will use a firmware that is still vulnerable to Fragattack-based exploits. Non mesh configurations will use a firmware that is patched.

4 ECC conversion

The flash on NB1600, NB2700, NB2710, NB3700, NB3710 and NB3720 provides an automated error correction using ECC. With release 4.1.0.100 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 sofware 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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6 Change History

Version	Date	Name	Reason
1.0	May 26, 2021	Patrick Walther	Final release note

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NetModule AG is located at:

Maulbeerstrasse 10
CH-3011 Bern
Switzerland

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.*