



NV8500 Series Router

Router Applications and Firmware

Release Notes

TN0117-03

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Introducing NV8500 v3.9.2

ECO 19627 releases NV8500 router applications and firmware that update control cards and IOXM* cards.

The version assigned to this release is v3.9.2 and its build number is 3387. This is a patch release intended for specific customers.

This release addresses the following major issues:

Fixes

Jira Issue	Description	Type
NV8500-1963, NV8500-1922, NV8500-1836	Redundant XPT card takes over randomly.	Bug
NV8500-1744	Unexpected change in the IOXM status.	Bug
NV8500-1982	EM0943 Monitor Output channel offset for EM0943.	Bug

Known Issues

The following issues remain open; however there has been notable improvement in the frequency of occurrence.

Jira Issue	Description	Type
NV8500-1993	Expansion RXPT fails over when Main frame controllers are toggled. Workaround: <i>In 8576 Expansion system, when main Frame controllers are toggled between Active and Standby: Approximately 75% of the time, the Expansion Frame RXPT will take over for a functioning crosspoint. The workaround is to keep the Expansion Frame RXPT Failover set to Manual. Software engineering has determined the cause, and expects to have the fix in a future release.</i>	Bug
NV8500-1993	Serial Asynchronous Command Destabilizes Router Serial Communications.	Bug
NV8500-1786	MADI Output audio CH's 66-113 displaced by 15 increments. <i>In MRC Module status, MADI output card, MADI CH status indicators 065-096 should be reporting status of Router Audio Channels 145-176. Instead, they actually report Router channels 145, and then skip to 161 – 191.</i> <i>IE: MADI 065 reports status of router audio matrix output 145. MADI 066 reports status of router audio matrix output 161.</i> <i>MADI 067 reports status of router audio matrix output 162, and this sequence continues sequentially up to MADI 113 / Router 208.</i>	Bug

Jira Issue	Description	Type
NV8500-1785	MADI Output card shows 64 channels when set to 56 channel MADI. <i>In MRC Module Status, EM0815 MADI Output card shows 64 channels when set to 56 channel MADI. Only 56 channels are available.</i>	Bug
NV8500-1784	MADI Output card channels 114-128 not reporting in MRC Module status. <i>In MRC Module Status; EM0815 MADI Output card falsely reports that MADI signals are not present for MADI output channels 114-128, when they actually are present.</i> <i>Note: This bug was confirmed on 8280 and 8576 frames only.</i>	Bug
NV8500-1727	NV8576 Expansion system reporting EM0896 Crosspoint as EM0662.	Bug

* IOXM is shorthand for Input, Output, Xpt, and Monitor and essentially means any NV8500 card that can be read by a control card, in other words any card but a control card. However, not all NV8500 cards support IOXM reporting.

Contact Us

For technical assistance, contact our international support center at 1-800-547-8949 (US and Canada) or +1 530 478 4148.

To obtain a local phone number for the support center nearest you, please consult the Contact Us section of Grass Valley's website (www.grassvalley.com). An online form for e-mail contact is also available from the website.

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Appendix 1: Previous Releases

NV8500 v3.9.1

ECO 19569 releases NV8500 router applications and firmware that update control cards and IOXM* cards.

The version assigned to this release is v3.9.1 and its build number is 3358

This release addresses the following major issues:

Fixes

NV8500-1776: Improve signal performance – EM0903-5 was created to address this issue.

NV8500-1972: Added support for proper version reporting of EM0902-10.

NV8500-1971: Add support for proper version reporting for EM0896-10.

NV8500-1982: EM0943 Monitor Output channel offset for EM0943

Known Issues

The following issues remain open; however there has been notable improvement in the frequency of occurrence.

NV8500-1963: NV8500-1922, NV8500-1836: Redundant XPT card takes over randomly.

NV8500-1744: unexpected change in the IOXM status.

Note: All issues below are reporting errors. Actual takes and sources are routed correctly.

NV8500-1786: MADI Output audio CH's 66-113 displaced by 15 increments

In MRC Module status, MADI output card, MADI CH status indicators 065-096 should be reporting status of Router Audio Channels 145-176. Instead, they actually report Router channels 145, and then skip to 161 – 191. IE: MADI 065 reports status of router audio matrix output 145. MADI 066 reports status of router audio matrix output 161 MADI 067 reports status of router audio matrix output 162, and this sequence continues sequentially up to MADI 113 / Router 208.

NV8500-1785: MADI Output card shows 64 channels when set to 56 channel MADI

In MRC Module Status, EM0815 MADI Output card shows 64 channels when set to 56 channel MADI. Only 56 channels are available.

NV8500-1784: MADI Output card channels 114-128 not reporting in MRC Module Status

In MRC Module Status; EM0815 MADI Output card falsely reports that MADI signals are not present for MADI output channels 114-128, when they actually are present.

Note : This bug was confirmed on 8280 and 8576 frames only.

NV8500-1727: 8576 Expansion system reporting EM0896 Crosspoint as EM0662.

NV8500 v3.9.0

ECO 19553 releases NV8500 router applications and firmware that update control cards and IOXM* cards.

The version assigned to this release is v3.9.0 and its build number is 3338. This is a patch release intended for specific customers.

This release addresses the following features and major issues:

Features and Fixes

Adds support for the NV8500 EM0903-50 Jitter Cleaner Input Card. It is recommended to use version 3.9.0 of MRC which adds support for this Input Card.

Issue	Description	Type
NV8500-1931	Add Support for new Card Type EM0903-50 to MRC and Control Card firmware	Feature
NV8500-1898	SV1212-02 and SV1213-02 did not make it into any RF file. These files support IP Gateway cards.	Bug

Known Issues

The following issues remain open; however the Retry Counter for both issues below has been reset to values from Version 3.7.0 for stability. Verification is proceeding on a solution that is expected to be available for next production release.

Issue	Description	Type
NV8500-1922	Redundant XPT automatic changeover function is taking over for XPT 1 when there is no fault on XPT 1.	Bug
NV8500-1744	unexpected change in the IOXM status under system status and also in module types	Bug