



# **NV9000 Control Software**

Control System

## **Release Notes**

TN0116-02

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[www.grassvalley.com](http://www.grassvalley.com)

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# Introducing NV9000 v6.7.1

The NV9000 router control system is the most broad and application-specific system available, offering the most efficient control paradigms that help operators execute signal routing fast and error-free from a highly resilient router controller platform.

The NV9000 panel series includes a wide range of highly adapted panels for superior control. The panel range includes informative and easy to use LCD relegendable panels, multi-destination panels, multi-mode button per source panels and destination/source (XY) panels.

The NV9000 control system offers a selection of two controllers. The NV960, a 2 RU enterprise range controller, is predominantly used in TV stations and larger installations; and the NV920 compact 1 RU redundant controller, which is perfectly suited for truck applications. The NV9000 control system is configured via the SE-Utilities software provided with the system.

This document lists cumulative changes to the NV9000 software v6.7.1.

## New Features

### **NVPL-209: Using Quick Preset Take will no longer Preset a LOCKed destination.**

Concerning the NV9649/NV9648 in Server/Client mode, implemented an improvement to address mistaken Preset, and further complications of a Locked destination on a Client panel using Quick Preset Take to preset a source to all client destinations from the server panel. The Take button on the client panel will no longer go high tally when a source is preset on the server panel.

### **NVPL-207: Client NV9648 panels are able to individually clear presets.**

When using the NV9649/NV9648 as Server/Client, it was possible to preset one of the three destinations on a Client panel, but not clear that preset if it was determined that the preset was made in error. This fix allows the user to press the high-tallied preset source to cancel the preset. Press-> Preset, Press again -> clear the preset.

## Improvements

### **NVPL-213: Check and Safeguard for length of parameter within panel config text file**

SE-Utilities was placing a long string inside the panel configuration text file for NV9642/9646 in stacked panel mode. This string was causing a crash of the Control Panel Server. This check will prevent the crash from happening.

# Fixes

## NVCS-4455: Machine Control routers status has been restored

A change to status created an issue that disabled the NVISION Machine Control routers from establishing connectivity with the NV9000. This has been resolved with a minor fix.

# Supported Routers

Company	Protocol	Interface	Functions
Grass Valley	NV Compact router (NP-16)	IP	Routing control no mnemonics
Grass Valley	NV Enterprise router (NP-17)	IP	Routing control with mnemonics
Grass Valley	Horizon TCI	RS-422	Supports connection to a Grass Valley Group Horizon series router through an HX-GPI external controller. An HX-GPI unit running TCI protocol is required for this interface to function.
Grass Valley	Jupiter (ES-Bus)	RS-422	Enables the NV9000 to switch Philips routers using a VM3000 controller. Very old Philips routers might not function with this interface. However, most late model matrices, such as Venus, are supported. A properly configured VM3000 is required.  Please note: The NV9000 does not connect directly to a Philips matrix. Operation using a serial port on an SI-3000 is not recommended if the total controlled matrix space will exceed 256 × 256.
Grass Valley	Trinix	IP	Routing control
Grass Valley	Jupiter Bridge		Routing control
Grass Valley	Encore		Routing control
Stagetec	Nexus		Routing control
Utah	RCP-1	Serial	Routing control
PESA	Pesa Protocol	RS-232	Routing control
SAM	Probel SP-08	IP and Serial	Routing control
ISIS	ISIS serial	RS-422	Routing control

DataTek	D-2815 serial	RS-422	Routing control
Sony	CART+	RS-422	Routing control
Siera video			
Klotz	Klotz	Serial	Routing control
LAWO	LAWO	Serial	Routing control
DHD	DHD	Serial	Routing control

## 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](http://www.grassvalley.com)).

An online form for e-mail contact is also available from the website.

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